



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2019

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

Grant ID - P19-3221

Organization - Freeborn County

Original Awarded Amount	\$27,134.00	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	Rachel Wehner
Current Awarded Amount	\$27,134.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$27,134.00	\$27,134.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$27,134.00	\$27,134.00	\$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
SSTS Low Income Grant	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn Cou..	\$27,134.00	\$27,134.00	7/10/2020	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	6		1 COUNT	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	1,888.00	LBS/YR
PATHOGENS (E. COLI)	377,000,000,000,000.00	CFU
Total Suspended Solids (TSS)	1,221.00	Mg/L
NITROGEN	145.00	LBS/YR
PHOSPHORUS (EST. REDUCTION)	55.00	LBS/YR

Grant Activity

Grant Activity - SSTS Low Income Grant			
Description			
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-19	End Date	31-Dec-20
Has Rates and Hours?	No		
Actual Results	<p>5 systems were upgraded with these grant dollars between \$4000 and \$5000 a piece in 2019.</p> <p>In 2021, 1 SSTS was upgraded using these funds. \$3746 is being accounted for in the 2019 SSTS Low income grant, and the remaining \$1254 will be accounted for in the 2020 SSTS low income grant.</p>		

Activity Action - Resident 5 SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	16-Sep-19
Mapped Activities	No	Technical Assistance Provider	

Final Indicator for Resident 5 SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	4.72E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for Resident 5 SSTS			
Indicator Name	BOD 5	Value	276
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for Resident 5 SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	Shell Rock River		
Final Indicator for Resident 5 SSTS			
Indicator Name	NITROGEN	Value	20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		
Final Indicator for Resident 5 SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	153
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Activity Action - Resident 4 SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	28-Jun-19
Mapped Activities	No	Technical Assistance Provider	

Final Indicator for Resident 4 SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		
Final Indicator for Resident 4 SSTS			
Indicator Name	NITROGEN	Value	13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock river		
Final Indicator for Resident 4 SSTS			
Indicator Name	BOD 5	Value	230
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for Resident 4 SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	305
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		
Final Indicator for Resident 4 SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	7.86E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Activity Action - Resident 3 SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	8-Aug-19
Mapped Activities	No	Technical Assistance Provider	

Final Indicator for Resident 3 SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	6.29E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 28		

Final Indicator for Resident 3 SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 28		

Final Indicator for Resident 3 SSTS			
Indicator Name	NITROGEN	Value	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 28		

Final Indicator for Resident 3 SSTS			
Indicator Name	BOD 5	Value	369

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 28		
Final Indicator for Resident 3 SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	204
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 28		

Activity Action - Resident 2 SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	25-Jul-19
Mapped Activities	No	Technical Assistance Provider	

Final Indicator for Resident 2 SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	204
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	LeSueur River		

Final Indicator for Resident 2 SSTS			
Indicator Name	NITROGEN	Value	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	LeSueur River		

Final Indicator for Resident 2 SSTS			
Indicator Name	BOD 5	Value	369
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	LeSueur River		

Final Indicator for Resident 2 SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	6.29E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	LeSueur River		
Final Indicator for Resident 2 SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	LeSueur River		

Activity Action - Resident 1 SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	12-Jun-19
Mapped Activities	No	Technical Assistance Provider	

Final Indicator for Resident 1 SSTS			
Indicator Name	BOD 5	Value	553
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 64		

Final Indicator for Resident 1 SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	305
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 64		

Final Indicator for Resident 1 SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	9.43E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 64		

Final Indicator for Resident 1 SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 64		

Final Indicator for Resident 1 SSTS			
Indicator Name	NITROGEN	Value	39
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Co Ditch 64		

Activity Action - Resident 6 SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	COUNT	Installed Date	17-Jun-20
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for Resident 6 SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	50
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for Resident 6 SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	3.11E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell rock River		

Final Indicator for Resident 6 SSTS			
Indicator Name	NITROGEN	Value	21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for Resident 6 SSTS			
Indicator Name	BOD 5	Value	91
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for Resident 6 SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Grant Attachments

Document Name	Document Type	Description
2019 SSTS Program Grant	Grant Agreement	2019 SSTS Program - Freeborn County
2019 SSTS Program Grant EXECUTED	Grant Agreement	2019 SSTS Program - Freeborn County
2020 SSTS low income dispersement ledger	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/15/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/07/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2021
SSTS bills	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
SSTS low income dispersement ledger	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
Septic System Improvement Estimator	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
financial report	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
invoice 2020	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
pollution reduction estimator	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)