



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2022

Grant Title - 2022 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)

Grant ID - P22-6899

Organization - Freeborn County

Original Awarded Amount	\$35,447.00	Grant Execution Date	10/20/2021
Required Match Amount	\$0.00	Original Grant End Date	12/31/2024
Required Match %	0%	Grant Day To Day Contact	Rachel Wehner
Current Awarded Amount	\$35,447.00	Current End Date	12/31/2024

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$35,447.00	\$14,767.00	\$20,680.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$35,447.00	\$14,767.00	\$20,680.00

**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 Upgrades	Subsurface Sewage Treatment Systems	Current State Grant	2022 - Septic Treatment Systems Upgrade - NRBG (Freeborn Cou..	\$35,447.00	\$14,767.00	9/9/2022	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	3		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
NITROGEN	71.00	LBS/YR
PHOSPHORUS (EST. REDUCTION)	23.00	LBS/YR
PATHOGENS (E. COLI)	158,200,000,000,000.00	CFU
BOD 5	645.00	LBS/YR
Total Suspended Solids (TSS)	357.00	Mg/L

Grant Activity

Grant Activity - SSTS Upgrades	
Description	
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS
Start Date	1-Jan-22 End Date
Has Rates and Hours?	No
Actual Results	3 SSTS systems were updated utilizing these funds in 2022. 1 of the 3 was partially accounted for in the 2021 SSTS upgrade grant.

Activity Action - Freeborn Township Resident			
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	9-Sep-22
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for Freeborn Township Resident

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Penny Lake		

Final Indicator for Freeborn Township Resident

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	Penny Lake		

Final Indicator for Freeborn Township Resident

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	Penny Lake		

Final Indicator for Freeborn Township Resident

Indicator Name	BOD 5	Value	369
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Penny Lake		

Final Indicator for Freeborn Township Resident

Indicator Name	NITROGEN	Value	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Penny Lake		

Activity Action - North Shell Rock Township Resident			
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-Aug-22
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for North Shell Rock Township Resident

Indicator Name	NITROGEN	Value	24
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for North Shell Rock Township Resident

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for North Shell Rock Township Resident

Indicator Name	PATHOGENS (E. COLI)	Value	6.39E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for North Shell Rock Township Resident

Indicator Name	Total Suspended Solids (TSS)	Value	102
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Final Indicator for North Shell Rock Township Resident

Indicator Name	BOD 5	Value	184
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Shell Rock River		

Activity Action - West Bath Township resident			
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	5-Aug-22
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for West Bath Township resident

Indicator Name	BOD 5	Value	92
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Groundwater		

Final Indicator for West Bath Township resident

Indicator Name	NITROGEN	Value	21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for West Bath Township resident

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for West Bath Township resident

Indicator Name	PATHOGENS (E. COLI)	Value	3.14E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for West Bath Township resident

Indicator Name	Total Suspended Solids (TSS)	Value	51
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Grant Attachments

Document Name	Document Type	Description
2022 ssts invoices/ applications	Grant	2022 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
2022/2023 Natural Resources Block Grant	Grant Agreement	2022/2023 Natural Resources Block Grant - Freeborn County
2022/2023 Natural Resources Block Grant EXECUTED	Grant Agreement	2022/2023 Natural Resources Block Grant - Freeborn County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/12/2023
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/27/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/07/2022
Ledger 2022	Grant	2022 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)
Septic System Improvement Estimator	Grant	2022 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)