



Grant All-Detail Report

BWSR Septic Treatment Systems 2022

Grant Title - 2022 - BWSR Septic Treatment Systems (Freeborn County)

Grant ID - P22-6951

Organization - Freeborn County

Original Awarded Amount	\$25,450.00	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	\$25,450.00	Current End Date	12/31/2024

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$25,450.00	\$25,450.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$25,450.00	\$25,450.00	\$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 Upgrades	Subsurface Sewage Treatment Systems	Current State Grant	2022 - BWSR Septic Treatment Systems (Freeborn County)	\$25,450.00	\$25,450.00	11/4/2022	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
NITROGEN	105.00	LBS/YR
PATHOGENS (E. COLI)	283,300,000,000,000.00	CFU
PHOSPHORUS (EST. REDUCTION)	33.00	LBS/YR
BOD 5	1,013.00	LBS/YR
Total Suspended Solids (TSS)	560.00	Mg/L

Grant Activity

Grant Activity - SSTS Upgrades			
Description			
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-22	End Date	31-Dec-22
Has Rates and Hours?	No		
Actual Results	6 SSTS upgrades utilized these funds.		

Activity Action - Geneva 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 Geneva township resident			
Indicator Name	NITROGEN	Value	18
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Turtle Creek/ Groundwater		
Final Indicator for Geneva township resident			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Turtle Creek/ Groundwater		
Final Indicator for Geneva township resident			
Indicator Name	BOD 5	Value	138
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Turtle Creek/ Groundwater		
Final Indicator for Geneva township resident			
Indicator Name	Total Suspended Solids (TSS)	Value	76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Turtle Creek/ Groundwater		
Final Indicator for Geneva township resident			
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	Turtle Creek/Groundwater		

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/ Groundwater		

Final Indicator for north Shell Rock township resident

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

Final Indicator for north Shell Rock 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	Shell Rock River/Groundwater		

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/ Groundwater		

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/ Groundwater		

Activity Action - East 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	4-Nov-22
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for East Bath township resident

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for East Bath township resident

Indicator Name	Total Suspended Solids (TSS)	Value	76
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for East Bath township resident

Indicator Name	BOD 5	Value	138
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for East Bath township resident

Indicator Name	PATHOGENS (E. COLI)	Value	4.75E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for East Bath township resident

Indicator Name	NITROGEN	Value	12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

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	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/ Groundwater		

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/ Groundwater		

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/ Groundwater		

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/ Groundwater		

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/ Groundwater		

Activity Action - south Shell Rock township			
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	23-Sep-22
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for south Shell Rock township			
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 south Shell Rock township			
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		
Final Indicator for south Shell Rock township			
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 south Shell Rock township			
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 south Shell Rock township			
Indicator Name	NITROGEN	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Activity Action - west Bath township			
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			
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			
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			
Indicator Name	NITROGEN	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for west Bath township			
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			
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
2022/2023 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 - 12/27/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/07/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/20/2023
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/12/2023
SSTS invoices/applications	Grant	2022 - BWSR Septic Treatment Systems (Freeborn County)
Septic System Improvement Estimator	Grant	2022 - BWSR Septic Treatment Systems (Freeborn County)
financial report	Grant	2022 - BWSR Septic Treatment Systems (Freeborn County)
ledger	Grant	2022 - BWSR Septic Treatment Systems (Freeborn County)