



Grant Progress Report

Septic Treatment Systems Upgrade - NRBG 2024

Grant Title: 2024 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)

Grant ID: P24-0674

Grant Award (\$): \$22,803.00

Grant Execution Date: 10/10/2023

Grantee: Freeborn County

Required Match (%): 0

Grant End Date: 12/31/2027

Fiscal Agent:

Required Match (\$): \$0.00

Grant Day-to-Day Contact: Rachel Wehner

	Total Budgeted	Total Spent	Balance Remaining*
Grant Funds	\$22,803.00	\$22,803.00	\$0.00
Match Funds	\$0.00	\$0.00	\$0.00
Other Funds	\$9,697.00	\$9,697.00	\$0.00
Total	\$32,500.00	\$32,500.00	\$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	Category	Source Type	Source Description	Budgeted	Spent	Balance Remaining	Match Fund?
FC202402 SSTS	Subsurface Sewage Treatment Systems	Other Funds	2023 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$3,890.00	\$3,890.00	\$0.00	N
FC202402 SSTS	Subsurface Sewage Treatment Systems	Current State Grant	2024 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$1,110.00	\$1,110.00	\$0.00	N
SSTS Installs	Subsurface Sewage	Current State Grant	2024 - Septic Treatment Systems Upgrade -	\$20,000.00	\$20,000.00	\$0.00	N

<i>Activity Name</i>	<i>Category</i>	<i>Source Type</i>	<i>Source Description</i>	<i>Budgeted</i>	<i>Spent</i>	<i>Balance Remaining</i>	<i>Match Fund?</i>
	Treatment Systems		NRBG (Freeborn County)				
FC202503 SSTS	Subsurface Sewage Treatment Systems	Other Funds	2025 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$5,807.00	\$5,807.00	\$0.00	N
FC202503 SSTS	Subsurface Sewage Treatment Systems	Current State Grant	2024 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$1,693.00	\$1,693.00	\$0.00	N

<i>Indicator Category</i>	<i>Proposed Indicator</i>	<i>Total Value</i>	<i>Unit</i>
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<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	BOD 5	115	Lbs/Yr
Water Pollution (Reduction Estimates)	Nitrogen	26	Lbs/Yr
Water Pollution (Reduction Estimates)	Pathogens (E. Coli)	39300000000000	Cfu
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	6	Lbs/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	64	Mg/L
Water Pollution	BOD 5	1014	Lbs/Yr

Indicator Summary

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
(Reduction Estimates)			
Water Pollution (Reduction Estimates)	Nitrogen	57	Lbs/Yr
Water Pollution (Reduction Estimates)	Pathogens (E. Coli)	2044000000000000	Cfu
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	29	Lbs/Yr
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	561	Mg/L
Water Pollution (Reduction Estimates)	BOD 5	461	Lbs/Yr
Water Pollution (Reduction Estimates)	Nitrogen	33	Lbs/Yr
Water Pollution (Reduction Estimates)	Pathogens (E. Coli)	7860000000000000	Cfu
Water Pollution (Reduction Estimates)	Phosphorus (Est. Reduction)	11	Lbs/Yr

<i>Indicator Category</i>	<i>Final Indicator</i>	<i>Total Value</i>	<i>Unit</i>
Water Pollution (Reduction Estimates)	Total Suspended Solids (TSS)	255	Mg/L

Grant Activities

Activity Name: FC202402 SSTS

Activity Category: Subsurface Sewage Treatment Systems **Staff time?:** No

Description: Septic system replacement for non compliant SSTS - failing to protect groundwater.

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2023 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$3,890.00	\$3,890.00	\$0.00	10/04/2024	N
Current State Grant	2024 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$1,110.00	\$1,110.00	\$0.00	10/04/2024	N

Actual Results

<u>Results</u>	<u>Date Added</u>
System installed 9/4/2024	10/4/2024 12:00:00 AM

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
BOD 5	115	Lbs/Yr
Pathogens (E. Coli)	39300000000000	Cfu
Phosphorus (Est. Reduction)	6	Lbs/Yr
Total Suspended Solids (TSS)	64	Mg/L
Nitrogen	26	Lbs/Yr

Activity Action Name: FC202402	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 10 Years
Practice Description: SSTS install	Install Date: 09/04/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Total Suspended Solids (TSS)	Mg/L	64	Septic System Improvement Estimator (SSIE)	groundwater
Pathogens (E. Coli)	Cfu	39300000000000	Septic System Improvement Estimator (SSIE)	groundwater
Phosphorus (Est. Reduction)	Lbs/Yr	6	Septic System Improvement Estimator (SSIE)	groundwater
BOD 5	Lbs/Yr	115	Septic System Improvement Estimator (SSIE)	groundwater
Nitrogen	Lbs/Yr	26	Septic System Improvement Estimator (SSIE)	groundwater

Activity Name: FC202503 SSTS

Activity Category: Subsurface Sewage Treatment Systems

Staff time?: No

Description: SSTS install

Budget Details

<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2025 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$5,807.00	\$5,807.00	\$0.00	10/10/2025	N
Current State Grant	2024 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$1,693.00	\$1,693.00	\$0.00	10/10/2025	N

Actual Results

Results Date Added

SSTS installed resolving non compliant - imminent threat to public health system due to surfacing sewage. Grant funds from 2024 and 2025 utilized and linked. 12/29/2025 1:52:35 PM

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Pathogens (E. Coli)	78600000000000	Cfu
Phosphorus (Est. Reduction)	11	Lbs/Yr
Nitrogen	33	Lbs/Yr
BOD 5	461	Lbs/Yr
Total Suspended Solids (TSS)	255	Mg/L

Activity Action Name: FC2020503	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 10 Years
Practice Description:	Install Date: 09/30/2025
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Total Suspended Solids (TSS)	Mg/L	255	Septic System Improvement Estimator (SSIE)	Cedar River
Pathogens (E. Coli)	Cfu	78600000000000	Septic System Improvement Estimator (SSIE)	Cedar River
Phosphorus (Est. Reduction)	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Cedar River
BOD 5	Lbs/Yr	461	Septic System Improvement Estimator (SSIE)	Cedar River
Nitrogen	Lbs/Yr	33	Septic System Improvement Estimator (SSIE)	Cedar River

Activity Name: SSTS Installs						
Activity Category: Subsurface Sewage Treatment Systems					Staff time?: No	
Description: SSTS installs for non compliant systems						
Budget Details						
<u>Source Type</u>	<u>Source Description</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Balance Remaining</u>	<u>Last Transaction Date</u>	<u>Match Fund?</u>
Current State Grant	2024 - Septic Treatment Systems Upgrade - NRBG (Freeborn County)	\$20,000.00	\$20,000.00	\$0.00	07/18/2025	N

Actual Results

<u>Results</u>	<u>Date Added</u>
FC2024004: System installed 7/25/2024 replacing imminent health threat. Remaining systems could not be installed in 2024 due to early freezing.	12/31/2024 12:00:00 AM
2 systems installed in 2025. Both systems were an imminent threat to public health and safety	1/9/2026 11:54:22 AM

Final Indicators

<u>Indicator</u>	<u>Total Value</u>	<u>Unit</u>
Total Suspended Solids (TSS)	561	Mg/L
BOD 5	1014	Lbs/Yr
Pathogens (E. Coli)	2044000000000000	Cfu
Nitrogen	57	Lbs/Yr
Phosphorus (Est. Reduction)	29	Lbs/Yr

Activity Action Name: FC202501	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 10 Years
Practice Description:	Install Date: 05/09/2025
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
BOD 5	Lbs/Yr	369	Septic System Improvement Estimator (SSIE)	Cobb Creek
Total Suspended Solids (TSS)	Mg/L	204	Septic System Improvement Estimator (SSIE)	Cobb Creek
Nitrogen	Lbs/Yr	13	Septic System Improvement Estimator (SSIE)	Cobb Creek
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Cobb Creek
Pathogens (E. Coli)	Cfu	62900000000000	Septic System Improvement Estimator (SSIE)	Cobb Creek

Activity Action Name: FC2024004	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 10 Years
Practice Description: SSTS install	Install Date: 07/25/2024
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Nitrogen	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Winnebago River
Phosphorus (Est. Reduction)	Lbs/Yr	9	Septic System Improvement Estimator (SSIE)	Winnebago River
BOD 5	Lbs/Yr	184	Septic System Improvement Estimator (SSIE)	Winnebago River
Total Suspended Solids (TSS)	Mg/L	102	Septic System Improvement Estimator (SSIE)	Winnebago River
Pathogens (E. Coli)	Cfu	62900000000000	Septic System Improvement Estimator (SSIE)	Winnebago River

Activity Action Name: FC202502	Activity Count: 1
Practice Type: 126M - Septic System Improvement	Size/Units: 1 - Count
TA Provider/JAA: Other	Lifespan: 10 Years
Practice Description:	Install Date: 07/03/2025
	Mapped: No

Indicator Name	Units	Value	Calculation Tool	Waterbody
Phosphorus (Est. Reduction)	Lbs/Yr	11	Septic System Improvement Estimator (SSIE)	Geneva Lake
Nitrogen	Lbs/Yr	33	Septic System Improvement Estimator (SSIE)	Geneva Lake
BOD 5	Lbs/Yr	461	Septic System Improvement Estimator (SSIE)	Geneva Lake
Total Suspended Solids (TSS)	Mg/L	255	Septic System Improvement Estimator (SSIE)	Geneva Lake
Pathogens (E. Coli)	Cfu	7860000000000	Septic System Improvement Estimator (SSIE)	Geneva Lake