

# **Grant All-Detail Report Septic Treatment Systems Upgrade - NRBG 2020**

**Grant Title -** 2020 - Septic Treatment Systems Upgrade - NRBG (Redwood County)

**Grant ID** - P20-7083

**Organization -** Redwood County

Original Awarded Amount	\$40,000.00	Grant Execution Date	12/2/2019
Required Match Amount	\$0.00	Original Grant End Date	12/31/2022
Required Match %	0%	Grant Day To Day Contact	Scott Wold
<b>Current Awarded Amount</b>	\$40,000.00	Current End Date	12/31/2022

#### **Budget Summary**

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$40,000.00	\$40,000.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$40,000.00	\$40,000.00	\$0.00

<sup>\*</sup>Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

#### **Budget Details**

						Last	
	Activity					Transaction	Matching
Activity Name	Category	Source Type	Source Description	Budgeted	Spent	Date	Fund
Administration	Administration /Coordination	Current State Grant	2020- Septic Treatment Systems upgrade- NRBG (Redwood County)	\$968.40	\$968.40	1/2/2020	N
Darian & Laura Horejsi	Subsurface Sewage Treatment Systems	Current State Grant	2020-Septic Systems upgrade- NRBG (Redwood County)	\$9,000.00	\$9,000.00	12/31/2020	N

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Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Isaiah Piotter	Subsurface Sewage Treatment Systems	Current State Grant	2020- Septic Treatment Systems upgrade- NRBG (Redwood County)	\$3,823.26	\$3,823.26	12/31/2020	N
Jacob Wahl	Subsurface Sewage Treatment Systems	Current State Grant	2020 - Septic Treatment Systems Upgrade - NRBG (Redwood Coun	\$3,404.30	\$3,404.30	12/31/2021	N
Joyce & Eugene Terra	Subsurface Sewage Treatment Systems	Current State Grant	2020-Septic Treatment Systems upgrade- NRBG (Redwood County)	\$849.71	\$849.71	12/31/2020	N
Joyce Terra	Subsurface Sewage Treatment Systems	Current State Grant	2020 - Septic Treatment Systems Upgrade - NRBG (Redwood Coun	\$4,704.33	\$4,704.33	12/31/2021	N
Nachreiner	Subsurface Sewage Treatment Systems	Current State Grant	2020 - Septic Treatment Systems Upgrade - NRBG (Redwood Coun	\$9,750.00	\$9,750.00	12/31/2021	N
Sally Kronback	Subsurface Sewage Treatment Systems	Current State Grant	2020-Septic Treatment Systems upgrade- NRBG (Redwood County)	\$7,500.00	\$7,500.00	12/31/2020	N

# **Activity Details Summary**

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	3		5 COUNT	5 COUNT
126M - Septic System Improvement	2		4 COUNT	4 COUNT
126M - Septic System Improvement	2		3 COUNT	3 COUNT

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# **Proposed Activity Indicators**

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments

# **Final Indicators Summary**

Indicator Name	Total Value	Unit
NITROGEN	160.00	LBS/YR
SEDIMENT (TSS)	204.00	TONS/YR
PHOSPHORUS (EST. REDUCTION)	47.00	LBS/YR
PATHOGENS (E. COLI)	320,300,000,000,000.00	CFU
BOD 5	1,375.00	LBS/YR
Total Suspended Solids (TSS)	554.00	Mg/L

# **Grant Activity**

Grant Activity - Administration	
Description	
Category	ADMINISTRATION/COORDINATION
Start Date	End Date
Has Rates and Hours?	No
Actual Results	Reviewing applications talking to applicants, inspections, variance and public readings. Review of law to follow rules.

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Grant Activity - Darian & Laura H	orejsi		
Description			
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	End Date		
Has Rates and Hours?	No		
Actual Results	2020: Project was 1 complete septic system replacement. Money was to replace an old, non-conforming, or broken septic system with a new code compliant septic System.		

	Practice		126M - Septic System Improvement	Count of	Activities		1	
	Description							
	Proposed Size / Units		3.00 COUNT	Lifespan			25 Years	
	Actual Size/U	nits	3.00 COUNT	Installed	Date			
	Mapped Activ	ities	No	Technica	I Assistance Provider		SWCD	
Final Indicator for	Darian & Laura	Horejsi						
Indicator Name		PHOSPHO	RUS (EST. REDUCTION)		Value	9		
Indicator Subcate	gory/Units	WATER PO	OLLUTION (REDUCTION ESTIMATES) LE	S/YR	Calculation Tool		ic System Improvement nator (SSIE)	
Waterbody		Groundwa	ater					
inal Indicator fo	Darian & Laura	Horejsi						
ndicator Name		PATHOGE	ENS (E. COLI)		Value	4.47	4.47E+13	
Indicator Subcate	gory/Units	WATER PO	OLLUTION (REDUCTION ESTIMATES) CFU		Calculation Tool		ic System Improvement nator (SSIE)	
Waterbody		Groundwa	ater					
Final Indicator fo	Darian & Laura	Horejsi						
ndicator Name		BOD 5			Value	349		
Indicator Subcategory/Units WATER P		POLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool		ic System Improvement nator (SSIE)		
Waterbody Groundwa		ater						
inal Indicator fo	Darian & Laura	Horejsi						
ndicator Name		Total Susp	otal Suspended Solids (TSS)		Value	193		
Indicator Subcategory/Units WATER POLLUTION (REDUCTION ESTIMATES) Mg			g/L	Calculation Tool		ic System Improvement nator (SSIE)		

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Waterbody	Groundwater				
Final Indicator for Darian & Laura Horejsi					
Indicator Name	NITROGEN	Value	25		
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement		
			Estimator (SSIE)		
Waterbody	Groundwater				

Grant Activity - Isaiah Piotter	
Description	
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS
Start Date	End Date
Has Rates and Hours?	No No
Actual Results	2020: Project was 1 complete septic system replacement. Money was to replace an old, non-conforming, or broken septic
	system with a new code compliant septic System.

Activity Action - Isaiah Piotter								
Practice 126M - Septic System Improvement Count of Activities 1								
Description								
Proposed Size / Units	4.00 COUNT	Lifespan	25 Years					
Actual Size/Units	Actual Size/Units 4.00 COUNT Installed Date							
Mapped Activities         No         Technical Assistance Provider         SWCD								
Isaiah Piotter								

Final Indicator for Isaiah Piotter						
Indicator Name	NITROGEN Value 16					
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Septic System Improvement Estimator (SSIE)				
Waterbody	Groundwater					
Final Indicator for Isaiah Piotter						
Indicator Name	PATHOGENS (E. COLI)	Value	7.45E+13			
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)			
Waterbody	Groundwater					
Final Indicator for Isaiah Piotter						
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11			

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Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	TER POLLUTION (REDUCTION ESTIMATES) LBS/YR Calculation Tool Septic System Improvem Estimator (SSIE)			
Waterbody	Groundwater				
Final Indicator for Isaiah Piotter					
Indicator Name	Total Suspended Solids (TSS)	Value	241		
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	POLLUTION (REDUCTION ESTIMATES) Mg/L Calculation Tool Septic System Impro			
Waterbody	Groundwater				
Final Indicator for Isaiah Piotter					
Indicator Name	BOD 5	Value	437		
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	/YR Calculation Tool Septic System Improvement Estimator (SSIE)			
Waterbody	Groundwater				

Grant Activity - Jacob Wahl	
Description	
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Activit	Activity Action - Jacob Wahl							
Practio	ce	126M - Septic System Improvement	Count of Activities		1			
Descri	Description							
Propos	sed Size / Units	5.00 COUNT	Lifespan		25 Years			
Actual	l Size/Units	5.00 COUNT	Installed Date					
Mappe	ed Activities	No	Technical Assistance Provider		SWCD			
Final Indicator for Jacob Wahl								
Indicator Name	PATHOGE	NS (E. COLI)	Value	4.47	E+13			

Indicator Name	PATHOGENS (E. COLI)	Value	4.47E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	BWSR CALC (FILTER STRIP)
Waterbody	Ground Water		
Final Indicator for Jacob Wahl			
Indicator Name	NITROGEN	Value	30

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Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR Calculation Tool BWSR CALC (FILTER STRIP)							
Waterbody	Ground Water							
Final Indicator for Jacob Wahl	Final Indicator for Jacob Wahl							
Indicator Name	PHOSPHORUS (EST. REDUCTION)	PHOSPHORUS (EST. REDUCTION) Value 6						
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)					
Waterbody	Ground Water							
Final Indicator for Jacob Wahl								
Indicator Name	SEDIMENT (TSS)	Value	72					
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)					
Waterbody	Gound Water							
Final Indicator for Jacob Wahl								
Indicator Name	BOD 5	Value	131					
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	BWSR CALC (FILTER STRIP)					
Waterbody	Ground Water							

Grant Activity - Joyce & Eugene Terra						
Description						
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS					
Start Date		End Date				
Has Rates and Hours?	No					
Actual Results	2020: Tank installed end of 2020, this project w paid in 2021).	vas billed over multiple years. One proje	ct to replace the old septic. (some			

	Activity Action	Activity Action - Joyce & Eugene Terra						
	Practice		126M - Septic System Improvement	Count of Activities		1		
	Description							
	Proposed Size / Units		5.00 COUNT	Lifespan		25 Years		
	Actual Size/Units		5.00 COUNT	Installed Date				
	Mapped Activ	ities	No	Technical Assistance Provider		SWCD		
Final Indicator for J	loyce & Eugene	Terra						
Indicator Name	Indicator Name PHOSPHORUS (EST. REDUCTION) Value 6							
Indicator Subcategory/Units WATER PO		OLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool		c System Improvement nator (SSIE)		

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Waterbody	Groundwater						
Final Indicator for Joyce & Eugene Terra							
Indicator Name	BOD 5 Value 131						
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR Calculation Tool					
Waterbody	Groundwater		Estimator (SSIE)				
Final Indicator for Joyce & Eugene	Terra						
Indicator Name	Total Suspended Solids (TSS)	Value	72				
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Septic System Improvement Estimator (SSIE)					
Waterbody	Groundwater						
Final Indicator for Joyce & Eugene	Terra						
Indicator Name	PATHOGENS (E. COLI)	Value	4.47E+13				
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU  Calculation Tool  Septic System Improvement Estimator (SSIE)						
Waterbody	Groundwater						
Final Indicator for Joyce & Eugene	Terra						
Indicator Name	NITROGEN	Value	30				
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)				
Waterbody	Groundwater						

Grant Activity - Joyce Terra	
Description	
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS
Start Date	End Date
Has Rates and Hours?	No
Actual Results	2020: Project was 1 complete septic system replacement. Money was replace an old non conforming, or broken septic system
	with a new code compliant septic system.

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	Practice		126M - Septic System Improvement	Count of	f Activities		1
	Description						
	<b>Proposed Size</b>	/ Units	5.00 COUNT Lifespan		ın		25 Years
	Actual Size/U	nits	5.00 COUNT	Installed	l Date		
	Mapped Activ	ities	No	Technica	al Assistance Provider		SWCD
Final Indicator for	Joyce Terra						
Indicator Name		PATHOGE	NS (E. COLI)		Value	4.47	E+13
Indicator Subcates	gory/Units	WATER PO	OLLUTION (REDUCTION ESTIMATES) CF	U	Calculation Tool	BWS	R CALC (FILTER STRIP)
Waterbody		Ground W					
Final Indicator for	Joyce Terra						
Indicator Name		PHOSPHO	ORUS (EST. REDUCTION)		Value	6	
Indicator Subcates	gory/Units	WATER PO	OLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool	BWSR CALC (FILTER STRIP)	
Waterbody		Ground W	/ater				
Final Indicator for	Joyce Terra						
Indicator Name		BOD 5			Value	131	
Indicator Subcate	gory/Units	WATER PO	POLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool	BWSR CALC (FILTER STRIP)	
Waterbody		Ground W	Vater				
Final Indicator for	Joyce Terra						
Indicator Name		SEDIMEN <sup>®</sup>	T (TSS)		Value	72	
Indicator Subcates	gory/Units	WATER PO	OLLUTION (REDUCTION ESTIMATES) TO	NS/YR	Calculation Tool BWSR CALC (FILTER STRIP)		R CALC (FILTER STRIP)
Waterbody Ground V		Ground W	/ater				
Final Indicator for Joyce Terra							
Indicator Name		NITROGEI	N		Value	Value 30	
Indicator Subcates	gory/Units	WATER P	POLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool BW		R CALC (FILTER STRIP)
Waterbody Ground V		/ater					

**Activity Action - Joyce Terra** 

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Grant Activity - Nachreiner					
Description					
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS				
Start Date	End Date				
Has Rates and Hours?	No				
Actual Results	2021:Project was 1 complete septic system replacement. Money was to replace an old, nonconforming, or broken septic				
	system with a new code complaint septic system.				

126M - Septic System Improvement Count of Activities

**Activity Action - Nachreiner** 

Practice

	Description						
	Proposed Size / Units		4.00 COUNT	Lifespan			25 Years
	Actual Size/Units		4.00 COUNT	Installed Date			
	Mapped Activities		No	Technical Assistance Provider			SWCD
Final Indicator for Nachreiner							
Indicator Name NITROGE		N		Value	9		
Indicator Subcateg	Indicator Subcategory/Units WATER 6		OLLUTION (REDUCTION ESTIMATES) LBS/YR Ca		Calculation Tool	BWS	R CALC (FILTER STRIP)
Waterbody		Ground W	/ater				
Final Indicator for Nachreiner							
Indicator Name PHOS		PHOSPHO	ORUS (EST. REDUCTION)		Value	5	
Indicator Subcategory/Units WATER P		WATER PO	OLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool	BWS	R CALC (FILTER STRIP)
Waterbody Ground W		/ater					
Final Indicator for	Nachreiner						
Indicator Name		BOD 5			Value	109	
Indicator Subcategory/Units WATER Po		WATER PO	OLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool	BWSR CALC (FILTER STRIP)	
Waterbody	Waterbody Ground W		/ater				
Final Indicator for Nachreiner							
Indicator Name PA		PATHOGE	ENS (E. COLI)		Value	3.72	E+13
Indicator Subcategory/Units WATER P		OLLUTION (REDUCTION ESTIMATES) CFU Ca		<b>Calculation Tool</b>	BWS	WSR CALC (FILTER STRIP)	
Waterbody		Ground W	ater				
Final Indicator for Nachreiner							
Indicator Name		SEDIMENT	r (TSS)		Value	60	
Indicator Subcategory/Units WATER F		WATER PO	OLLUTION (REDUCTION ESTIMATES) TONS/YR		Calculation Tool	BWS	R CALC (FILTER STRIP)

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Grant Activity - Sally Kronback					
Description					
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS				
Start Date	End Date				
Has Rates and Hours?	No				
Actual Results	2020: Project was 1 complete septic system replacement. Money was to replace an old, non-conforming, or broken septic				
	system with a new code compliant septic System.				

126M - Septic System Improvement Count of Activities

1

Waterbody

**Ground Water** 

**Activity Action - Sally Kronback** 

**Practice** 

Description

	Proposed Size / Units		3.00 COUNT	Lifespan		25 Years		
	Actual Size/Units		3.00 COUNT	Installed Date				
	Mapped Activities		No	Technical Assistance Provider		SWCD		
Final Indicator for Sally Kronback								
Indicator Name BOD		BOD 5			Value	87	7	
Indicator Subcates	dicator Subcategory/Units WATER P		OLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool	-	eptic System Improvement stimator (SSIE)	
Waterbody		Groundwater						
Final Indicator for Sally Kronback								
Indicator Name Total Sus		Total Susp	pended Solids (TSS)		Value	48	18	
Indicator Subcategory/Units WATER P		WATER PO	OLLUTION (REDUCTION ESTIMATES) Mg/L		Calculation Tool		Septic System Improvement Estimator (SSIE)	
Waterbody		Groundwater						
Final Indicator for Sally Kronback								
Indicator Name	Indicator Name PHOSPH		ORUS (EST. REDUCTION)		Value	4		
Indicator Subcategory/Units WATER P		OLLUTION (REDUCTION ESTIMATES) LBS/YR		Calculation Tool	Septic System Improvement Estimator (SSIE)			
Waterbody		Groundwa	dwater					
Final Indicator for Sally Kronback								
Indicator Name	dicator Name PATHOGENS (E. COLI)			Value	2.981	E+13		

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Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU  Calculation Tool  Septic System Im Estimator (SSIE)		Septic System Improvement Estimator (SSIE)			
Waterbody	Groundwater					
Final Indicator for Sally Kronback						
Indicator Name	NITROGEN	Value	20			
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)			
Waterbody	Groundwater					

#### **Grant Attachments**

Document Name	Document Type	Description
2020/2021 Natural Resources Block Grant	Grant Agreement	2020/2021 Natural Resources Block Grant - Redwood County
2020/2021 Natural Resources Block Grant EXECUTED	Grant Agreement	2020/2021 Natural Resources Block Grant - Redwood County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/17/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/24/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/26/2021
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/19/2022
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/30/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/29/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/21/2021

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