



# Grant All-Detail Report

## Septic Treatment Systems Upgrade - NRBG 2017

**Grant Title** - 2017 - Septic Treatment Systems Upgrade #2 - NRBG (Freeborn County)

**Grant ID** - P17-7453

**Organization** - Freeborn County

<b>Grant Awarded Amount</b>	<b>\$8,681.00</b>	<b>Grant Execution Date</b>	<b>6/29/2017</b>
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Grant End Date</b>	<b>6/30/2018</b>
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	<b>Rachel Wehner</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$8,681.00	\$8,681.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$8,681.00</b>	<b>\$8,681.00</b>	<b>\$0.00</b>

*\*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 Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Freeborn ..	\$8,681.00	\$8,681.00	9/19/2017	N

## Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	3	0	1 COUNT	1 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
<b>BOD 5</b>	865.00	LBS/YR
<b>PATHOGENS (E. COLI)</b>	225,600,000,000,000.00	CFU
<b>Total Suspended Solids (TSS)</b>	478.00	Mg/L
<b>PHOSPHORUS (EST. REDUCTION)</b>	32.00	LBS/YR
<b>NITROGEN</b>	42.00	LBS/YR

## Grant Activity

Grant Activity - SSTS Upgrade			
Description	Low Income Grant for low income residents for the upgrade of their SSTS.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	30-Jun-17	End Date	31-Dec-17
Has Rates and Hours?	No		
Actual Results	3 landowners were assisted with a \$4000 per SSTS grant.		

Activity Action - Residence #1			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	New SSTS for 2 bedroom home. Previous system outletted to ditch.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	23-Jun-17
Mapped Activities	No		

Final Indicator for Residence #1			
Indicator Name	PATHOGENS (E. COLI)	Value	6.94E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	JD24		
Final Indicator for Residence #1			
Indicator Name	NITROGEN	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	JD24		
Final Indicator for Residence #1			
Indicator Name	Total Suspended Solids (TSS)	Value	225
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	JD24		
Final Indicator for Residence #1			
Indicator Name	BOD 5	Value	407
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	JD24		
Final Indicator for Residence #1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	JD24		

Activity Action - Residence #2			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	New At-Grade system for 4 bedroom house. Previous system outletted to tile.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	8-Aug-17
Mapped Activities	No		

Final Indicator for Residence #2			
Indicator Name	BOD 5	Value	254
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Geneva Lake/ Groundwater		
Final Indicator for Residence #2			
Indicator Name	Total Suspended Solids (TSS)	Value	141
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Geneva Lake/ Groundwater		
Final Indicator for Residence #2			
Indicator Name	PATHOGENS (E. COLI)	Value	8.68E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Geneva Lake/ Groundwater		
Final Indicator for Residence #2			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	12
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Geneva Lake/ Groundwater		
Final Indicator for Residence #2			
Indicator Name	NITROGEN	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Geneva Lake/ Groundwater		

Activity Action - Residence #3			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	New 3 bedroom At-grade.		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	29-Aug-17
Mapped Activities	No		

**Final Indicator for Residence #3**

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

**Final Indicator for Residence #3**

Indicator Name	BOD 5	Value	204
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Halls Lake/ Groundwater		

**Final Indicator for Residence #3**

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Halls Lake/ Groundwater		

**Final Indicator for Residence #3**

Indicator Name	PATHOGENS (E. COLI)	Value	6.94E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Halls Lake/ Groundwater		

**Final Indicator for Residence #3**

Indicator Name	Total Suspended Solids (TSS)	Value	112
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Halls Lake/ Groundwater		

## Grant Attachments

Document Name	Document Type	Description
<b>2017 SSTS Upgrade #2</b>	Grant Agreement	2017 SSTS Upgrade - Freeborn County
<b>2017 SSTS Upgrade #2 executed</b>	Grant Agreement	2017 SSTS Upgrade - Freeborn County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/17/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/11/2018
<b>Bills</b>	Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Freeborn County)
<b>Financial Report</b>	Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Freeborn County)
<b>SSTS account activies</b>	Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Freeborn County)
<b>Septic System Improvement Estimator</b>	Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Freeborn County)