



# Grant All-Detail Report

## Septic Treatment Systems Upgrade - NRBG 2019

**Grant Title** - 2019 - Septic Treatment Systems Upgrade - NRBG (Chisago County)

**Grant ID** - P19-3212

**Organization** - Chisago County

Original Awarded Amount	<b>\$32,746.00</b>	Grant Execution Date	<b>3/7/2019</b>
Required Match Amount	\$0.00	Original Grant End Date	12/31/2020
Required Match %	0%	Grant Day To Day Contact	Jerry Spetzman
Current Awarded Amount	\$32,746.00	Current End Date	12/31/2020

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$32,746.00	\$32,746.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$32,746.00</b>	<b>\$32,746.00</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
02.00484.40	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	10/1/2019	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
03.00293.00	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	10/11/2019	N
04.00197.00	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	12/13/2019	N
04.00376.00	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	8/13/2019	N
09.00126.00	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$1,015.00	\$1,015.00	3/19/2019	N
09.00503.10	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	9/6/2019	N
19.00162.42	Subsurface Sewage Treatment Systems	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$3,457.00	\$3,457.00	10/29/2019	N
Admini	Administration /Coordination	Current State Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$3,274.00	\$3,274.00	12/11/2019	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	1	1	50 LINEAR FEET	50 LINEAR FEET
126M - Septic System Improvement	5	5	40 LINEAR FEET	40 LINEAR FEET

## 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>	1,129.00	LBS/YR
<b>Total Suspended Solids (TSS)</b>	625.00	Mg/L
<b>NITROGEN</b>	63.00	LBS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	36.00	LBS/YR

## Grant Activity

Grant Activity - 02.00484.40	
Description	Install new septic system
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Activity Action - 02.00484.40			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	New septic system		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	9-Sep-19
Mapped Activities	1 Point(s)		

Final Indicator for 02.00484.40			
Indicator Name	BOD 5	Value	115

<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Vibo Lake		
<b>Final Indicator for 02.00484.40</b>			
<b>Indicator Name</b>	Total Suspended Solids (TSS)	<b>Value</b>	64
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Vibo Lake		
<b>Final Indicator for 02.00484.40</b>			
<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	6
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Vibo Lake		
<b>Final Indicator for 02.00484.40</b>			
<b>Indicator Name</b>	NITROGEN	<b>Value</b>	10
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Vibo Lake		

<b>Grant Activity - 03.00293.00</b>			
<b>Description</b>	Install a new septic system		
<b>Category</b>	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
<b>Start Date</b>		<b>End Date</b>	
<b>Has Rates and Hours?</b>	No		
<b>Actual Results</b>			

<b>Activity Action - 03.00293.00</b>			
<b>Practice</b>	126M - Septic System Improvement	<b>Count of Activities</b>	1
<b>Description</b>	septic system		
<b>Proposed Size / Units</b>	40.00 LINEAR FEET	<b>Lifespan</b>	30 Years
<b>Actual Size/Units</b>	40.00 LINEAR FEET	<b>Installed Date</b>	22-Aug-19
<b>Mapped Activities</b>	1 Point(s)		

**Final Indicator for 03.00293.00**

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

**Final Indicator for 03.00293.00**

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

**Final Indicator for 03.00293.00**

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

**Final Indicator for 03.00293.00**

<b>Indicator Name</b>	NITROGEN	<b>Value</b>	16
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Rabour Lake		

Grant Activity - 04.00197.00			
Description	Install a new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Activity Action - 04.00197.00			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	new septic system		
Proposed Size / Units	40.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	40.00 LINEAR FEET	Installed Date	4-Nov-19
Mapped Activities	1 Point(s)		

Final Indicator for 04.00197.00			
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	Trulson Lake		
Final Indicator for 04.00197.00			
Indicator Name	NITROGEN	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Trulson Lake		
Final Indicator for 04.00197.00			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Trulson Lake		
Final Indicator for 04.00197.00			
Indicator Name	BOD 5	Value	92
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Trulson Lake		

Grant Activity - 04.00376.00			
Description	Install new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Activity Action - 04.00376.00			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	New septic system		
Proposed Size / Units	40.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	40.00 LINEAR FEET	Installed Date	2-Aug-19
Mapped Activities	1 Point(s)		

Grant Activity - 09.00126.00			
Description	Install a new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	19-Mar-19	End Date	19-Mar-19
Has Rates and Hours?	No		
Actual Results	Repaired pump and pump line.		

<b>Activity Action - 09.00126.00</b>			
<b>Practice</b>	126M - Septic System Improvement	<b>Count of Activities</b>	1
<b>Description</b>			
<b>Proposed Size / Units</b>	40.00 LINEAR FEET	<b>Lifespan</b>	30 Years
<b>Actual Size/Units</b>	40.00 LINEAR FEET	<b>Installed Date</b>	12-Mar-19
<b>Mapped Activities</b>	1 Point(s)		

**Final Indicator for 09.00126.00**

<b>Indicator Name</b>	BOD 5	<b>Value</b>	461
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Sunrise River		

**Final Indicator for 09.00126.00**

<b>Indicator Name</b>	Total Suspended Solids (TSS)	<b>Value</b>	255
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Sunrise Rver		

**Final Indicator for 09.00126.00**

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	11
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Sunrise River		

**Final Indicator for 09.00126.00**

<b>Indicator Name</b>	NITROGEN	<b>Value</b>	16
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Sunrise River		



Grant Activity - 09.00503.10			
Description	Septic installation		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Activity Action - 09.00503.10			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	new septic system		
Proposed Size / Units	40.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	40.00 LINEAR FEET	Installed Date	26-Jul-19
Mapped Activities	1 Point(s)		

Final Indicator for 09.00503.10			
Indicator Name	NITROGEN	Value	13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Goose Creek		
Final Indicator for 09.00503.10			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Goose Creek		
Final Indicator for 09.00503.10			
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	Goose Creek		
Final Indicator for 09.00503.10			
Indicator Name	BOD 5	Value	369
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Goose Creek		

Grant Activity - 19.00162.42		
Description	Install a new septic system	
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results		

Grant Activity - Admini		
Description	Administrative grants funds and reports	
Category	ADMINISTRATION/COORDINATION	
Start Date		End Date
Has Rates and Hours?	No	
Actual Results		

### Grant Attachments

Document Name	Document Type	Description
<b>2019 SSTS Program Grant</b>	Grant Agreement	2019 SSTS Program - Chisago County
<b>2019 SSTS Program Grant EXECUTED</b>	Grant Agreement	2019 SSTS Program - Chisago County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 06/04/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 06/04/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/24/2020
<b>financial report</b>	Grant	2019 - Septic Treatment Systems Upgrade - NRBG (Chisago County)