



# Grant All-Detail Report

## Septic Treatment Systems Upgrade - NRBG 2017

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

**Grant ID** - P17-5068

**Organization** - Pipestone County

<b>Grant Awarded Amount</b>	<b>\$8,681.00</b>	<b>Grant Execution Date</b>	<b>6/27/2017</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>Kyle Krier</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$8,681.00	\$8,681.00	\$0.00
Total Match Amount	\$4,681.94	\$4,681.94	\$0.00
Total Other Funds	\$11,078.70	\$11,078.70	\$0.00
<b>Total</b>	<b>\$24,441.64</b>	<b>\$24,441.64</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
Alan Hachmann	Subsurface Sewage Treatment Systems	Current State Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Pipestone..	\$3,656.11	\$3,656.11	9/22/2017	N
Alan Hachmann	Subsurface Sewage Treatment Systems	Landowner Fund	Land owner match	\$2,193.58	\$2,193.58	9/22/2017	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Alan Hachmann	Subsurface Sewage Treatment Systems	Other Funds	2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$3,843.89	\$3,843.89	9/22/2017	N
Alan Hachmann	Subsurface Sewage Treatment Systems	Other Funds	Land owner match	\$2,306.25	\$2,306.25	9/22/2017	Y
Glen VanEck SSTS	Subsurface Sewage Treatment Systems	Current State Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Pipestone..	\$5,024.89	\$5,024.89	6/26/2018	N
Glen VanEck SSTS	Subsurface Sewage Treatment Systems	Landowner Fund	Land owner match	\$2,488.36	\$2,488.36	6/26/2018	Y
Glen VanEck SSTS	Subsurface Sewage Treatment Systems	Other Funds	2018 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$2,440.20	\$2,440.20	6/26/2018	N
Glen VanEck SSTS	Subsurface Sewage Treatment Systems	Other Funds	Land owner match	\$2,488.36	\$2,488.36	6/26/2018	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	2	2	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>	313.00	LBS/YR
<b>PATHOGENS (E. COLI)</b>	106,600,000,000,000.00	CFU
<b>Total Suspended Solids (TSS)</b>	173.00	Mg/L
<b>PHOSPHORUS (EST. REDUCTION)</b>	14.00	LBS/YR
<b>NITROGEN</b>	40.00	LBS/YR

### Grant Activity

Grant Activity - Alan Hachmann			
Description	Replacement of one non compliant SSTS with the installation of one mound system.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	3-Jul-17	End Date	01-Aug-17
Has Rates and Hours?	No		
Actual Results	Completed the installation of one mound system with new septic tank.		

Activity Action - Alan Hachmann SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of one mound system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	21-Jul-17
Mapped Activities	1 Point(s)		

Final Indicator for Alan Hachmann SSTS			
Indicator Name	BOD 5	Value	134
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Final Indicator for Alan Hachmann SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	74
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Alan Hachmann SSTS			
Indicator Name	NITROGEN	Value	17
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Alan Hachmann SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Alan Hachmann SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	4.57E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Grant Activity - Glen VanEck SSTS			
Description	Replacing a failing septic system with a new tank and compliant system.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	20-Dec-17	End Date	26-Jun-18
Has Rates and Hours?	No		
Actual Results	Installation of one mound system to replace a surface discharging system.		

Activity Action - Glen VanEck SSTS			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	One Mound system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	18-Jun-18
Mapped Activities	1 Point(s)		

Final Indicator for Glen VanEck SSTS			
Indicator Name	Total Suspended Solids (TSS)	Value	99
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Glen VanEck SSTS			
Indicator Name	BOD 5	Value	179
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Glen VanEck SSTS			
Indicator Name	PATHOGENS (E. COLI)	Value	6.09E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Glen VanEck SSTS			
Indicator Name	NITROGEN	Value	23
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Glen VanEck SSTS			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	8
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

## Grant Attachments

Document Name	Document Type	Description
<b>2017 SSTS Upgrade #2</b>	Grant Agreement	2017 SSTS Upgrade - Pipestone County
<b>2017 SSTS Upgrade #2 executed</b>	Grant Agreement	2017 SSTS Upgrade - Pipestone County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 07/02/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 07/13/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/24/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2018

Document Name	Document Type	Description
<b>Final Financial Report</b>	Grant	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Pipestone County)