



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2016

Grant Title - 2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone County)

Grant ID - P16-5467

Organization - Pipestone County

Grant Awarded Amount	\$28,778.00	Grant Execution Date	10/13/2015
Required Match Amount	\$0.00	Grant End Date	12/31/2018
Required Match %	0%	Grant Day To Day Contact	Kyle Krier

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$28,778.00	\$28,778.00	\$0.00
Total Match Amount	\$37,308.89	\$37,308.89	\$0.00
Total Other Funds	\$8,040.58	\$8,040.58	\$0.00
Total	\$74,127.47	\$74,127.47	\$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	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Alan Hachmann	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$3,843.89	\$3,843.89	9/22/2017	N
Alan Hachmann	Subsurface Sewage Treatment Systems	Landowner Fund	Land owner match	\$2,306.25	\$2,306.25	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	2017 - Septic Treatment Systems Upgrade #2 - NRBG (Pipestone..	\$3,656.11	\$3,656.11	9/22/2017	N
Alan Hachmann	Subsurface Sewage Treatment Systems	Other Funds	Land owner match	\$2,193.58	\$2,193.58	9/22/2017	Y
Flanagan SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$7,125.00	\$7,125.00	11/22/2016	N
Flanagan SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$2,375.00	\$2,375.00	11/22/2016	Y
Haraldson SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$5,309.11	\$5,309.11	8/8/2016	N
Haraldson SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$16,477.13	\$16,477.13	8/8/2016	Y
Haraldson SSTS Upgrade	Subsurface Sewage Treatment Systems	Other Funds	2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$2,190.89	\$2,190.89	8/8/2016	N
Jay Johnson SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$5,000.00	\$5,000.00	7/18/2017	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Jay Johnson SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land owner match	\$7,185.87	\$7,185.87	7/18/2017	Y
Viland SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$7,500.00	\$7,500.00	9/12/2016	N
Viland SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$8,964.64	\$8,964.64	9/12/2016	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	2	3	1 COUNT	1 COUNT
126M - Septic System Improvement	3	3	1 COUNT	0 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
BOD 5	1,339.00	LBS/YR
SEDIMENT (TSS)	0.27	TONS/YR
PATHOGENS (E. COLI)	319,700,000,000,000.00	CFU
Total Suspended Solids (TSS)	197.00	Mg/L

PHOSPHORUS (EST. REDUCTION)	45.00	LBS/YR
NITROGEN	85.00	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	2 Point(s)		

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		

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

Grant Activity - Flanagan SSTS Upgrade			
Description	Flanagan SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	25-Jul-16	End Date	22-Nov-16
Has Rates and Hours?	No		
Actual Results	Installation of one at grade system that replaced a failing system.		

Activity Action - Flanagan SSTS Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installed one at grade system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	1-Nov-16
Mapped Activities	1 Point(s)		

Final Indicator for Flanagan SSTS Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	60900000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Flanagan SSTS Upgrade			
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		

Final Indicator for Flanagan SSTS Upgrade			
Indicator Name	NITROGEN	Value	10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Flanagan SSTS Upgrade			
Indicator Name	SEDIMENT (TSS)	Value	.0495
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Flanagan SSTS Upgrade			
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		

Grant Activity - Haraldson SSTS Upgrade			
Description	Haraldson SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	19-May-15	End Date	08-Aug-16
Has Rates and Hours?	No		
Actual Results	Installation of one mound system to replace a failing system.		

Activity Action - Haraldson SSTS Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of 1 mound system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	2-Aug-16
Mapped Activities	2 Point(s)		

Final Indicator for Haraldson SSTS Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Final Indicator for Haraldson SSTS Upgrade			
Indicator Name	SEDIMENT (TSS)	Value	.1235
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Haraldson SSTS Upgrade			
Indicator Name	NITROGEN	Value	32
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Haraldson SSTS Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	7610000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Haraldson SSTS Upgrade			
Indicator Name	BOD 5	Value	446
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Grant Activity - Jay Johnson SSTS Upgrade			
Description	Replacement of a failing SSTS with one at-grade system.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-May-17	End Date	20-Jun-17
Has Rates and Hours?	No		
Actual Results	Completed the installation of one at grade system with new septic tank.		

Activity Action - Jay Johnson SSTS Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of 1 at grade system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	3-May-17
Mapped Activities	1 Point(s)		

Final Indicator for Jay Johnson SSTS Upgrade			
Indicator Name	NITROGEN	Value	13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Pipestone Creek		
Final Indicator for Jay Johnson SSTS Upgrade			
Indicator Name	BOD 5	Value	223
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Pipestone Creek		
Final Indicator for Jay Johnson SSTS Upgrade			
Indicator Name	Total Suspended Solids (TSS)	Value	123
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Pipestone Creek		
Final Indicator for Jay Johnson SSTS Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	7.61E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Pipestone Creek		
Final Indicator for Jay Johnson SSTS Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Pipestone Creek		

Grant Activity - Viland SSTS Upgrade			
Description	Viland SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	5-Apr-16	End Date	12-Sep-16
Has Rates and Hours?	No		
Actual Results	Installation of one at grade system to replace a failing system.		

Activity Action - Viland SSTS Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of one at grade system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	7-Sep-16
Mapped Activities	1 Point(s)		

Final Indicator for Viland SSTS Upgrade

Indicator Name	NITROGEN	Value	13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Split Rock Creek		

Final Indicator for Viland SSTS Upgrade

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Split Rock Creek		

Final Indicator for Viland SSTS Upgrade

Indicator Name	PATHOGENS (E. COLI)	Value	60900000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Split Rock Creek		

Final Indicator for Viland SSTS Upgrade

Indicator Name	SEDIMENT (TSS)	Value	.0985
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Split Rock Creek		

Final Indicator for Viland SSTS Upgrade

Indicator Name	BOD 5	Value	357
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Split Rock Creek		

Grant Attachments

Document Name	Document Type	Description
2016 Natural Resources Block Grant	Grant Agreement	2016 Natural Resources Block Grant - Pipestone County
2016 Natural Resources Block Grant executed	Grant Agreement	2016 Natural Resources Block Grant - Pipestone County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/11/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/14/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/16/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/27/2017
Final Financial Report	Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Pipestone County)
Pipestone CY16 ELink Reporting Change Requests	Journal	Journal Dated - 03/14/2017
Pipestone CY17 ELink Reporting Change Requests	Journal	Journal Dated - 01/25/2018