



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2015

Grant Title - 2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone County)

Grant ID - P15-0520

Organization - Pipestone County

Grant Awarded Amount	\$34,515.00	Grant Execution Date	
Required Match Amount	\$0.00	Grant End Date	12/31/2016
Required Match %	0%	Grant Day To Day Contact	Kyle Krier

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$34,515.00	\$34,515.00	\$0.00
Total Match Amount	\$26,102.86	\$25,102.86	\$1,000.00
Total Other Funds	\$25,288.22	\$25,288.22	\$0.00
Total	\$85,906.08	\$84,906.08	\$1,000.00

**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	Match
2012-CWF-SSTS-09	Subsurface Sewage Treatment Systems	Other Funds	2012 - SSTS Abatement - Pipestone (SWCD)	\$1,750.98	\$1,750.98	11/10/2014	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
2012-CWF-SSTS-09	Subsurface Sewage Treatment Systems	Other Funds	Landowner	\$1,751.00	\$1,751.00	11/10/2014	Y
Baustian SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$7,500.00	\$7,500.00	6/23/2015	N
Baustian SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$4,602.68	\$4,602.68	6/23/2015	Y
Haraldson SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$2,190.89	\$2,190.89	8/8/2016	N
Haraldson SSTS Upgrade	Subsurface Sewage Treatment Systems	Other Funds	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	Other Funds	Land Owner Match	\$16,477.13	\$16,477.13	8/8/2016	Y
Lustfield SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$7,324.11	\$7,324.11	7/13/2015	N
Lustfield SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$2,441.37	\$2,441.37	7/13/2015	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
Mitchell SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$5,000.00	\$5,000.00	10/31/2016	N
Mitchell SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$6,295.56	\$5,295.56	10/31/2016	Y
Rolla SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$7,500.00	\$7,500.00	5/26/2015	N
Rolla SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$3,559.27	\$3,559.27	5/26/2015	Y
Wolfswinkel SSTS Upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Pipestone Co..	\$5,000.00	\$5,000.00	8/17/2015	N
Wolfswinkel SSTS Upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	Land Owner Match	\$9,203.98	\$9,203.98	8/17/2015	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	1	2	1 COUNT	1 COUNT
126M - Septic System Improvement	6	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	2,746.00	LBS/YR
PATHOGENS (E. COLI)	502,700,000,000,000.00	CFU
SEDIMENT (TSS)	0.25	TONS/YR
Total Suspended Solids (TSS)	1,135.00	Mg/L
NITROGEN	167.00	LBS/YR
PHOSPHORUS (EST. REDUCTION)	73.00	LBS/YR

Grant Activity

Grant Activity - Baustian SSTS Upgrade

Description	Baustian SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-15	End Date	17-Aug-15
Has Rates and Hours?	No		
Actual Results	Removal of a straight pipe system that was discharging raw sewage into the road ditch. Replaced with a fully compliant mound system with brand new septic tank.		

Activity Action - Baustian SSTS Detail

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	21-May-15
Mapped Activities	1 Point(s)		

Final Indicator for Baustian SSTS Detail			
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 Baustian SSTS Detail			
Indicator Name	PATHOGENS (E. COLI)	Value	7.64E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Baustian SSTS Detail			
Indicator Name	Total Suspended Solids (TSS)	Value	247
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Baustian SSTS Detail			
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 Baustian SSTS Detail			
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 - 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	BOD 5	Value	446
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	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	PATHOGENS (E. COLI)	Value	7.61E+13
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	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	SEDIMENT (TSS)	Value	.1235
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Grant Activity - Lustfield SSTS Upgrade			
Description	Lustfield SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	14-Apr-15	End Date	23-Jun-15
Has Rates and Hours?	No		
Actual Results	Installation of one mound system to replace a health threat system		

Activity Action - Lustfield 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	9-Jun-15
Mapped Activities	1 Point(s)		

Final Indicator for Lustfield SSTS Upgrade			
Indicator Name	Total Suspended Solids (TSS)	Value	148
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Final Indicator for Lustfield SSTS Upgrade			
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 Lustfield 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 Lustfield SSTS Upgrade			
Indicator Name	BOD 5	Value	268
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Final Indicator for Lustfield SSTS Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Grant Activity - Mitchell SSTS Upgrade			
Description	Mitchell SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	25-Jan-16	End Date	12-Sep-16
Has Rates and Hours?	No		
Actual Results	Installation of one at grade septic system.		

Activity Action - Mitchell SSTS Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of one at grade septic system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	22-Jul-16
Mapped Activities	1 Point(s)		

Final Indicator for Mitchell 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 Mitchell SSTS Upgrade			
Indicator Name	NITROGEN	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Pipestone Creek		

Final Indicator for Mitchell 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		
Final Indicator for Mitchell 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	Pipestone Creek		
Final Indicator for Mitchell 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	Pipestone Creek		

Grant Activity - Rolla SSTS Upgrade			
Description	Rolla SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	16-Jan-15	End Date	26-May-15
Has Rates and Hours?	No		
Actual Results	Installation of one at grade system to replace a failing system.		

Activity Action - Rolla 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	22-Apr-15
Mapped Activities	1 Point(s)		

Final Indicator for Rolla SSTS Upgrade			
Indicator Name	NITROGEN	Value	19
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Rolla SSTS Upgrade			
Indicator Name	BOD 5	Value	536

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Rolla SSTS Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Rolla SSTS Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	9.14E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Rolla SSTS Upgrade			
Indicator Name	Total Suspended Solids (TSS)	Value	296
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		

Grant Activity - Wolfswinkel SSTS Upgrade			
Description	Wolfswinkel SSTS Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	4-Aug-15	End Date	18-Aug-15
Has Rates and Hours?	No		
Actual Results	Installation of one mound system in replacement of a failing straight pipe system.		

Activity Action - Wolfswinkel SSTS Upgrade			
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	COUNT	Installed Date	14-Jul-15
Mapped Activities	1 Point(s)		

Final Indicator for Wolfwinkel 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 Wolfwinkel SSTS Upgrade			
Indicator Name	BOD 5	Value	247
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Wolfwinkel SSTS Upgrade			
Indicator Name	Total Suspended Solids (TSS)	Value	247
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rock River		
Final Indicator for Wolfwinkel 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 Wolfwinkel 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	Rock River		

Grant Attachments

Document Name	Document Type	Description
2015 NRBG Addendum	Grant Agreement	2015 Natural Resources Block Grant Addendum - Pipestone County
2015 NRBG Addendum executed	Grant Agreement	2015 Natural Resources Block Grant Addendum - Pipestone County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/27/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/23/2015

Document Name	Document Type	Description
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/17/2015