



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2015

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

Grant ID - P15-6081

Organization - Winona 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	Sheila Harmes

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$34,515.00	\$34,515.00	\$0.00
Total Match Amount	\$11,505.00	\$11,505.00	\$0.00
Total Other Funds	\$9,436.00	\$9,436.00	\$0.00
Total	\$55,456.00	\$55,456.00	\$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	Match
SSTS Upgrade Installation costs for Frontage Drive location	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Winona Count..	\$6,564.75	\$6,564.75	8/18/2015	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
SSTS Upgrade Installation costs for Frontage Drive location	Subsurface Sewage Treatment Systems	Landowner Fund	Landowner contribution for SSTS upgrade	\$2,188.25	\$2,188.25	8/18/2015	Y
SSTS Upgrade Installation costs for Frontage Drive location	Subsurface Sewage Treatment Systems	Other Funds	2013 Low-Income SSTS Upgrades - Winona (COUNTY)	\$7,077.00	\$7,077.00	6/30/2015	N
SSTS Upgrade Installation costs for Frontage Drive location	Subsurface Sewage Treatment Systems	Other Funds	Landowner SSTS Match	\$2,359.00	\$2,359.00	6/30/2015	Y
Winona County SSTS Upgrade Incentive costs	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Winona Count..	\$27,950.25	\$27,950.25	12/30/2016	N
Winona County SSTS Upgrade Incentive costs	Subsurface Sewage Treatment Systems	Landowner Fund	Landowner share of SSTS upgrade costs	\$9,316.75	\$9,316.75	12/30/2016	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	1	2	375 LINEAR FEET	375 LINEAR FEET
126M - Septic System Improvement	1	1	612 LINEAR FEET	612 LINEAR FEET
126M - Septic System Improvement	1	1	1200 LINEAR FEET	1200 LINEAR FEET
126M - Septic System Improvement	1	1	210 LINEAR FEET	210 LINEAR FEET
126M - Septic System Improvement	1	1	600 LINEAR FEET	600 LINEAR FEET
126M - Septic System Improvement	1	0	375 LINEAR FEET	0 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
BOD 5	858.00	LBS/YR
PATHOGENS (E. COLI)	215,600,000,000,000.00	CFU
SEDIMENT (TSS)	0.48	TONS/YR
PHOSPHORUS (EST. REDUCTION)	32.00	LBS/YR
SOIL (EST. SAVINGS)	0.31	TONS/YR
NITROGEN	173.00	LBS/YR

Grant Activity

Grant Activity - SSTS Upgrade Installation costs for Frontage Drive location			
Description	Homeowners with failing or Imminent Public Health Threat SSTS and are within the low-income guidelines established by the County will be eligible to apply for a maximum of 75% to replace or repair their SSTS. The funds will be awarded on a first come, first served basis.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-15	End Date	18-Aug-15
Has Rates and Hours?	No		
Actual Results	<p>A list of homeowners with failing or Imminent Public Health Threat SSTS was used for targeted mailing efforts to identify those that met low-income guidelines established by the County.</p> <p>This grant activity provided funds for a low-income landowner on Frontage Drive to upgrade a sewage treatment system.</p>		

Activity Action - Fountain Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of SSTS system to replace failing system. 1700 gallon HOOT pretreatment tank, mound with 10 x 37,5 ft rock bed.		
Proposed Size / Units	375.00 LINEAR FEET	Lifespan	Unknown
Actual Size/Units	375.00 LINEAR FEET	Installed Date	12-Aug-15
Mapped Activities	2 Point(s)		

Final Indicator for Fountain Upgrade			
Indicator Name	BOD 5	Value	68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi River		
Final Indicator for Fountain Upgrade			
Indicator Name	SEDIMENT (TSS)	Value	0.0185
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi River		
Final Indicator for Fountain Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	23100000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi River		
Final Indicator for Fountain Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi River		
Final Indicator for Fountain Upgrade			
Indicator Name	NITROGEN	Value	15
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Mississippi River		

Grant Activity - Winona County SSTS Upgrade Incentive costs

Description	Homeowners with failing or Imminent Public Health Threat SSTS and are within the low-income guidelines established by the County will be eligible to apply for a maximum of 75% to replace or repair their SSTS. The funds will be awarded on a first come, first served basis.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-15	End Date	
Has Rates and Hours?	No		
Actual Results	<p>A list of homeowners with failing or Imminent Public Health Threat SSTS was used for targeted mailing efforts to identify those that met low-income guidelines established by the County.</p> <p>To date, three low-income homeowners qualify and have completed upgrades to their treatment systems.</p> <p>The remaining funds that are available will be provided on a first-come-first served basis.</p>		

Activity Action - Place Holder			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	No option to delete activity detail		
Proposed Size / Units	375.00 LINEAR FEET	Lifespan	Unknown
Actual Size/Units	LINEAR FEET	Installed Date	
Mapped Activities	No		

Activity Action - Gommels Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of new system to replace drywell that had become an ITPH, 1200 square ft in-ground septic system, 2250 gallon septic tank		
Proposed Size / Units	1,200.00 LINEAR FEET	Lifespan	Unknown
Actual Size/Units	1,200.00 LINEAR FEET	Installed Date	20-Aug-15
Mapped Activities	1 Point(s)		

Final Indicator for Gommels Upgrade			
Indicator Name	BOD 5	Value	451
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rollingstone Creek		

Final Indicator for Gommels Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	77000000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rollingstone Creek		
Final Indicator for Gommels 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	Rollingstone Creek		
Final Indicator for Gommels Upgrade			
Indicator Name	SEDIMENT (TSS)	Value	0.1245
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rollingstone Creek		
Final Indicator for Gommels Upgrade			
Indicator Name	NITROGEN	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Unknown
Waterbody	Rollingstone Creek		

Activity Action - Rasmussen Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installation of new mound system in order to replace existing drywell, mound with a 9 ft x 68 fi rock bed and a 3000 gallon septic tank.		
Proposed Size / Units	612.00 LINEAR FEET	Lifespan	Unknown
Actual Size/Units	612.00 LINEAR FEET	Installed Date	20-Oct-15
Mapped Activities	1 Point(s)		

Final Indicator for Rasmussen Upgrade			
Indicator Name	BOD 5	Value	113
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rush Creek		
Final Indicator for Rasmussen Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rush Creek		
Final Indicator for Rasmussen Upgrade			
Indicator Name	SEDIMENT (TSS)	Value	0.031
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rush Creek		
Final Indicator for Rasmussen Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	38500000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rush Creek		
Final Indicator for Rasmussen Upgrade			
Indicator Name	NITROGEN	Value	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Rush Creek		

Activity Action - Deitz Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Old system failed to protect groundwater. Old tank leaked below surface. New tank installed to replace it. Existing drainfield meets required separation according to compliance inspection. System consists of a new septic tank and existing compliant drainfield. Drainfield includes 201 linear feet of rock trench.		
Proposed Size / Units	210.00 LINEAR FEET	Lifespan	Unknown
Actual Size/Units	210.00 LINEAR FEET	Installed Date	21-Sep-16
Mapped Activities	1 Point(s)		

Final Indicator for Deitz Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Middle Fork Whitewater		
Final Indicator for Deitz Upgrade			
Indicator Name	BOD 5	Value	113

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Middle Fork Whitewater		
Final Indicator for Deitz Upgrade			
Indicator Name	NITROGEN	Value	58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Middle Fork Whitewater		
Final Indicator for Deitz Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	38500000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Middle Fork Whitewater		
Final Indicator for Deitz Upgrade			
Indicator Name	SOIL (EST. SAVINGS)	Value	0.31
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Middle Fork Whitewater		

Activity Action - Horness Upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Old system failed to protect groundwater. Drainfield did not meet separation requirement. Mound system installed with new 1600 gallon septic tank. Rock bed is 60 feet by 10 feet.		
Proposed Size / Units	600.00 LINEAR FEET	Lifespan	Unknown
Actual Size/Units	600.00 LINEAR FEET	Installed Date	14-Nov-16
Mapped Activities	1 Point(s)		

Final Indicator for Horness Upgrade			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Corey Creek		
Final Indicator for Horness Upgrade			
Indicator Name	SEDIMENT (TSS)	Value	0.31
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	Corey Creek		
Final Indicator for Horness Upgrade			
Indicator Name	NITROGEN	Value	58
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Corey Creek		
Final Indicator for Horness Upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	38500000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Corey Creek		
Final Indicator for Horness Upgrade			
Indicator Name	BOD 5	Value	113
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Corey Creek		

Grant Attachments

Document Name	Document Type	Description
2015 NRBG Addendum	Grant Agreement	2015 Natural Resources Block Grant Addendum - Winona County
2015 NRBG Addendum executed	Grant Agreement	2015 Natural Resources Block Grant Addendum - Winona County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/04/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/12/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/12/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/14/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/17/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2016
FY 2015 NRBG Payment message	Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Winona County)
Septic System Improvement Estimator for Landowners 1-3	Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Winona County)
Septic System Improvement Estimator for five landowners	Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Winona County)

