



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2015

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

Grant ID - P15-8982

Organization - Roseau 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	Janine Lovold

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$32,279.00	\$32,279.00	\$2,236.00
Total Match Amount			\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$32,279.00	\$32,279.00	\$2,236.00

**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
2015 SSTS Upgrade #1	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Roseau Count..	\$9,500.00	\$9,500.00	12/31/2015	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
2015 SSTS Upgrade #2	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Roseau Count..	\$7,500.00	\$7,500.00	12/31/2015	N
2015 SSTS Upgrade #3	Subsurface Sewage Treatment Systems	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Roseau Count..	\$8,600.00	\$8,600.00	12/31/2015	N
Program Administration	Administration /Coordination	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Roseau Count..	\$4,742.00	\$4,742.00	12/31/2015	N
Soil Verification/Design Review and Inspection	Technical/Engineering Assistance	Current State Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Roseau Count..	\$1,937.00	\$1,937.00	12/31/2015	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	3	0	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
BOD 5	1,173.00	LBS/YR
PATHOGENS (E. COLI)	200,200,000,000,000.00	CFU

PHOSPHORUS (EST. REDUCTION)	29.00	LBS/YR
NITROGEN	55.00	LBS/YR

Grant Activity

Grant Activity - 2015 SSTS Upgrade #1			
Description	2015 SSTS Upgrade #1 - Mound System Upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-15	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	Mound System Upgrade for Low Income Imminent Public Health Threat		

Activity Action - 2015 SSTS Upgrade #1			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replacement System - Mound		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	2-Sep-15
Mapped Activities	No		

Final Indicator for 2015 SSTS Upgrade #1			
Indicator Name	BOD 5	Value	361
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		
Final Indicator for 2015 SSTS Upgrade #1			
Indicator Name	NITROGEN	Value	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		

Final Indicator for 2015 SSTS Upgrade #1			
Indicator Name	PATHOGENS (E. COLI)	Value	6.16E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		

Final Indicator for 2015 SSTS Upgrade #1			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		

Grant Activity - 2015 SSTS Upgrade #2			
Description	2015 SSTS Upgrade #2 - Replacement System - Pressure at-grade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-15	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	Replacement system completed as planned.		

Activity Action - 2015 SSTS Upgrade #2			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replacement with a pressure at-grade system		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	27-Aug-15
Mapped Activities	No		

Final Indicator for 2015 SSTS Upgrade #2			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		

Final Indicator for 2015 SSTS Upgrade #2			
Indicator Name	BOD 5	Value	451

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		
Final Indicator for 2015 SSTS Upgrade #2			
Indicator Name	NITROGEN	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		
Final Indicator for 2015 SSTS Upgrade #2			
Indicator Name	PATHOGENS (E. COLI)	Value	7.70E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		

Grant Activity - 2015 SSTS Upgrade #3			
Description	2015 SSTS Upgrade #3 - Rock Trench System		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-15	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	Imminent Public Health system was replaced with rock trench system.		

Activity Action - 2015 SSTS Upgrade #3			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Rock trench system		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	28-Oct-15
Mapped Activities	No		

Final Indicator for 2015 SSTS Upgrade #3			
Indicator Name	NITROGEN	Value	13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	Ground Water		
Final Indicator for 2015 SSTS Upgrade #3			
Indicator Name	PATHOGENS (E. COLI)	Value	6.16E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		
Final Indicator for 2015 SSTS Upgrade #3			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		
Final Indicator for 2015 SSTS Upgrade #3			
Indicator Name	BOD 5	Value	361
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Ground Water		

Grant Activity - Program Administration			
Description	Program Administration This includes publishing, applications, review, selection, etc. Also working with contractors.		
Category	ADMINISTRATION/COORDINATION		
Start Date	26-Nov-14	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	Administration: -Publishing, Applications, Review, Selection, etc. - Worked with contractors to install three systems.		

Grant Activity - Soil Verification/Design Review and Inspection

Description	Soil Verification/Design Review and Inspection		
Category	TECHNICAL/ENGINEERING ASSISTANCE		
Start Date	1-Jan-15	End Date	31-Dec-15
Has Rates and Hours?	No		
Actual Results	Soil verification, design review and compliance inspection for the three system upgrades.		

Grant Attachments

Document Name	Document Type	Description
2015 NRBG Addendum	Grant Agreement	2015 Natural Resources Block Grant Addendum - Roseau County
2015 NRBG Addendum executed	Grant Agreement	2015 Natural Resources Block Grant Addendum - Roseau County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/25/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/08/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/20/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/22/2015
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/14/2016
Amendment	Grant	2015 - Septic Treatment Systems Upgrade - NRBG (Roseau County)
Extension Request	Journal	Journal Dated - 12/09/2016
MPCA Approval of Extension	Journal	Journal Dated - 12/09/2016