Grant All-Detail Report
Septic Treatment Systems Upgrade - NRBG 2016

Grant Title - 2016 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parle County)
Grant ID - P16-2656
Organization - Lac qui Parle County

Grant Awarded Amount	**$20,309.00**	Grant Execution Date	**10/5/2015**
Required Match Amount	$0.00	Grant End Date	12/31/2018
Required Match %	0%	Grant Day To Day Contact	Jennifer Breberg

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	$20,309.00	$20,309.00	$0.00
Total Match Amount	$7,459.00	$7,459.00	$0.00
Total Other Funds	$0.00	$0.00	$0.00
Total	**$27,768.00**	**$27,768.00**	**$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
2 system replacement 2016	Subsurface Sewage Treatment Systems	Current State Grant	Two system replacement - 2016	$18,225.00	$18.225.00	6/7/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Match
2 system replacement 2016	Subsurface Sewage Treatment Systems	Landowner Fund	2 system replacement - 2016	$3,875.00	$3,875.00	11/5/2015	Y
2 system replacement 2016	Subsurface Sewage Treatment Systems	Landowner Fund	two system replacement - 2016	$2,200.00	$2,200.00	6/7/2016	Y
2016 - 1 septic trmt upgrade	Subsurface Sewage Treatment Systems	Current State Grant	2016 - 1 septic trmt upgrade split	$1,384.00	$1,384.00	9/27/2016	N
2016 - 1 septic trmt upgrade	Subsurface Sewage Treatment Systems	Landowner Fund	2016 - 1 septic trmt upgrade split	$1,384.00	$1,384.00	9/27/2016	Y
2016 Administrative costs	Administration /Coordination	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parl..	$700.00	$700.00	12/30/2016	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	3	1	1 COUNT	1 COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments

Final Indicators Summary

Indicator Name	Total Value	Unit
BOD 5	1,096.00	LBS/YR
PATHOGENS (E. COLI)	207,900,000,000,000.00	CFU
SEDIMENT (TSS)	218.00	TONS/YR
Total Suspended Solids (TSS)	386.00	Mg/L
PHOSPHORUS (EST. REDUCTION)	30.00	LBS/YR
NITROGEN	66.00	LBS/YR

Grant Activity

Grant Activity - 2 system replacement 2016			
Description	2 system replacement 2016		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-16	End Date	30-Dec-16
Has Rates and Hours?	No		
Actual Results	11/5/2015 - Parcel #28-0100-010 - 75% cost share to replace failing system. Mound system was installed for 5 bedroom home. Homeowner match was 25% - $3,875.00. 06/07/2016 - Parcel #08-0167-010 75% cost share of $6,600 to replace failing septic system. A trench/gravity distribution system was installed for a 3 bedroom home. Homeowners match was 25% $2,200.		

Activity Action - 2 system replacement - 2016			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replacement of failing system - 2016		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	5-Nov-15
Mapped Activities	1 Point(s)		

Final Indicator for 2 system replacement - 2016			
Indicator Name	BOD 5	Value	576
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	NITROGEN	Value	41
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	PATHOGENS (E. COLI)	Value	9.82E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	Total Suspended Solids (TSS)	Value	318
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Activity Action - 2 system replacement - 2016			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	replacement of system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	7-Jun-16
Mapped Activities	1 Point(s)		

Final Indicator for 2 system replacement - 2016			
Indicator Name	NITROGEN	Value	14
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	PATHOGENS (E. COLI)	Value	6.75E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	10
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	SEDIMENT (TSS)	Value	218
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2 system replacement - 2016			
Indicator Name	BOD 5	Value	396
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Grant Activity - 2016 - 1 septic trmt upgrade			
Description	2016 - 1 septic trmt upgrade		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-16	End Date	31-Dec-16
Has Rates and Hours?	No		
Actual Results	9/27/2016 - 50% cost share to replace failing septic system. A bed, pressure distribution system was installed for a 4 bedroom home. Homeowner match was 50% - $5,390. 25.67% of the cost share was paid from the FY2016 funds ($1,384). Balance was paid with FY2017 funds.		

Activity Action - 2016 - 1 septic trmt system upgrade			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Replacement of failing septic trmt system.		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	1.00 COUNT	Installed Date	27-Sep-16
Mapped Activities	1 Point(s)		

Final Indicator for 2016 - 1 septic trmt system 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	groundwater		

Final Indicator for 2016 - 1 septic trmt system upgrade			
Indicator Name	Total Suspended Solids (TSS)	Value	68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2016 - 1 septic trmt system upgrade			
Indicator Name	NITROGEN	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2016 - 1 septic trmt system upgrade			
Indicator Name	BOD 5	Value	124

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2016 - 1 septic trmt system upgrade			
Indicator Name	PATHOGENS (E. COLI)	Value	4.22E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Grant Activity - 2016 Administrative costs			
Description	2016 Administrative costs		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-16	End Date	30-Dec-16
Has Rates and Hours?	No		
Actual Results	10/30/2016 - Administrative costs for two systems = $700.00		

Grant Attachments

Document Name	Document Type	Description
2016 Natural Resources Block Grant	Grant Agreement	2016 Natural Resources Block Grant - Lac qui Parle County
2016 Natural Resources Block Grant executed	Grant Agreement	2016 Natural Resources Block Grant - Lac qui Parle County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/08/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/08/2016
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/31/2017
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/01/2016