



## Grant All-Detail Report Septic Treatment Systems Upgrade - NRBG 2018

**Grant Title** - 2018 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parle County)

**Grant ID** - P18-5002

**Organization** - Lac qui Parle County

Original Awarded Amount	\$25,931.00	Grant Execution Date	10/18/2017
Required Match Amount	\$0.00	Original Grant End Date	12/31/2020
Required Match %	0%	Grant Day To Day Contact	Jennifer Breberg
Current Awarded Amount	\$25,931.00	Current End Date	12/31/2020

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$25,931.00	\$25,931.00	\$0.00
Total Match Amount	\$16,112.43	\$16,112.43	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$42,043.43</b>	<b>\$42,043.43</b>	<b>\$0.00</b>

\*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
2018 SSTS Fix it grant	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parl..	\$25,931.00	\$25,931.00	11/7/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2018 SSTS Fix it grant	Subsurface Sewage Treatment Systems	Landowner Fund	2018 - Septic Upgrade landowner	\$1,068.93	\$1,068.93	11/7/2018	Y
2018 SSTS Fix it grant	Subsurface Sewage Treatment Systems	Landowner Fund	2018 Septic Upgrade landowners 50%	\$5,525.00	\$5,525.00	10/25/2017	Y
2018 SSTS Fix it grant	Subsurface Sewage Treatment Systems	Landowner Fund	2018 Septic upgrade landowners 50%	\$6,305.75	\$6,305.75	11/14/2018	Y
2018 SSTS Fix it grant	Subsurface Sewage Treatment Systems	Landowner Fund	2018 septic upgrade - landowners 25%	\$3,212.75	\$3,212.75	11/20/2017	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	4		1 COUNT	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
<b>BOD 5</b>	1,226.00	LBS/YR
<b>SEDIMENT (TSS)</b>	434.00	TONS/YR

<b>PATHOGENS (E. COLI)</b>	224,200,000,000,000.00	CFU
<b>Total Suspended Solids (TSS)</b>	243.00	Mg/L
<b>NITROGEN</b>	86.00	LBS/YR
<b>PHOSPHORUS (EST. REDUCTION)</b>	33.00	LBS/YR

### Grant Activity

#### Grant Activity - 2018 SSTS Fix it grant

Description	2018 - Septic Treatment systems upgrade - NRBG (Lac qui Parle)		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	23-Oct-17	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Two systems were replaced at the end of 2017 after FY 2018 money was received. One landowner qualified at 50% and one qualified at 75%. A balance of \$1,233.16 was paid out to complete a system that was split between FY 2017 funds and FY 2018 funds. A third system was replaced in September of 2018, which qualified as a 50% cost share. Fourth system was partially funded with FY2018 Funds of \$3,228.84. Balance will be drawn from the FY2019 funds.		

#### Activity Action - 2018 - Septic upgrades

Practice	126M - Septic System Improvement	Count of Activities	1
Description	upgrade to failing septic system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	23-Oct-17
Mapped Activities	No		

#### Final Indicator for 2018 - Septic upgrades

Indicator Name	BOD 5	Value	437
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

#### Final Indicator for 2018 - Septic upgrades

Indicator Name	SEDIMENT (TSS)	Value	241
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Final Indicator for 2018 - Septic upgrades			
Indicator Name	PATHOGENS (E. COLI)	Value	7.45E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - Septic upgrades			
Indicator Name	NITROGEN	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - Septic upgrades			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Activity Action - 2018 - upgrade to failing septic system			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	upgrade to failing septic system		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	20-Nov-17
Mapped Activities	No		

Final Indicator for 2018 - upgrade to failing septic system			
Indicator Name	BOD 5	Value	349
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - upgrade to failing septic system			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - upgrade to failing septic system			
Indicator Name	SEDIMENT (TSS)	Value	193
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	groundwater		
Final Indicator for 2018 - upgrade to failing septic system			
Indicator Name	PATHOGENS (E. COLI)	Value	5.96E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - upgrade to failing septic system			
Indicator Name	NITROGEN	Value	25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Activity Action - 2018 - Septic System			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	1 system replacement 2018		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	7-Sep-18
Mapped Activities	No		

Final Indicator for 2018 - Septic System			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	4
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - Septic System			
Indicator Name	NITROGEN	Value	20
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - Septic System			
Indicator Name	Total Suspended Solids (TSS)	Value	48
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - Septic System			
Indicator Name	BOD 5	Value	87

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Groundwater		
Final Indicator for 2018 - Septic System			
Indicator Name	PATHOGENS (E. COLI)	Value	2.98E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		

Activity Action - 2018 - SSTS Fix it grant			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	System install using FY 2018 funds and balance from FY 2019		
Proposed Size / Units	1.00 COUNT	Lifespan	25 Years
Actual Size/Units	COUNT	Installed Date	29-Oct-18
Mapped Activities	No		

Final Indicator for 2018 - SSTS Fix it grant			
Indicator Name	BOD 5	Value	353
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Groundwater		
Final Indicator for 2018 - SSTS Fix it grant			
Indicator Name	Total Suspended Solids (TSS)	Value	195
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	groundwater		
Final Indicator for 2018 - SSTS Fix it grant			
Indicator Name	NITROGEN	Value	25
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Groundwater		
Final Indicator for 2018 - SSTS Fix it grant			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Groundwater		

Final Indicator for 2018 - SSTS Fix it grant			
Indicator Name	PATHOGENS (E. COLI)	Value	6.03E+13
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Groundwater		

### Grant Attachments

Document Name	Document Type	Description
<b>2018 Fix it Grant Financial Sheet</b>	Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parle County)
<b>2018/2019 Natural Resources Block Grant</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Lac qui Parle County
<b>2018/2019 Natural Resources Block Grant executed</b>	Grant Agreement	2018/2019 Natural Resources Block Grant - Lac qui Parle County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/07/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/21/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/12/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/25/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/19/2019
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/15/2019

