



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2019

Grant Title - 2019 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parle County)

Grant ID - P19-3226

Organization - Lac qui Parle County

| | | | |
|-------------------------|--------------------|--------------------------|-------------------------|
| Original Awarded Amount | \$23,212.00 | Grant Execution Date | 9/17/2018 |
| 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 | \$23,212.00 | Current End Date | 12/31/2020 |

Budget Summary

| | Budgeted | Spent | Balance Remaining* |
|--------------------|---------------------|--------------------|--------------------|
| Total Grant Amount | \$23,212.00 | \$23,212.00 | \$0.00 |
| Total Match Amount | \$12,118.24 | \$12,118.24 | \$0.00 |
| Total Other Funds | \$82,043.43 | \$42,043.43 | \$40,000.00 |
| Total | \$117,373.67 | \$77,373.67 | \$40,000.00 |

*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 | Matching Fund |
|------------------------|-------------------------------------|-------------|--|-------------|-------------|-----------------------|---------------|
| 2018 SSTS Fix it grant | Subsurface Sewage Treatment Systems | Other Funds | 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 | Other Funds | 2018 - Septic Upgrade landowner | \$1,068.93 | \$1,068.93 | 11/7/2018 | Y |
| 2018 SSTS Fix it grant | Subsurface Sewage Treatment Systems | Other Funds | 2018 Septic Upgrade land owners 50% | \$5,525.00 | \$5,525.00 | 10/25/2017 | Y |
| 2018 SSTS Fix it grant | Subsurface Sewage Treatment Systems | Other Funds | 2018 Septic upgrade landowners 50% | \$6,305.75 | \$6,305.75 | 11/14/2018 | Y |
| 2018 SSTS Fix it grant | Subsurface Sewage Treatment Systems | Other Funds | 2018 septic upgrade - landowners 25% | \$3,212.75 | \$3,212.75 | 11/20/2017 | Y |
| 2019 - SSTS Fix it grant | Subsurface Sewage Treatment Systems | Current State Grant | 2019 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parl.. | \$23,212.00 | \$23,212.00 | 11/8/2019 | N |
| 2019 - SSTS Fix it grant | Subsurface Sewage Treatment Systems | Landowner Fund | 2019 - Septic Upgrade land owners 25% | \$2,271.47 | \$2,271.47 | 11/7/2018 | Y |
| 2019 - SSTS Fix it grant | Subsurface Sewage Treatment Systems | Landowner Fund | 2019 Septic Upgrade Landowner 50% | \$6,563.00 | \$6,563.00 | 10/7/2019 | Y |
| 2019 - SSTS Fix it grant | Subsurface Sewage Treatment Systems | Landowner Fund | 2019 Septic Upgrade landowner 25% | \$462.80 | \$462.80 | 10/28/2019 | Y |

| Activity Name | Activity Category | Source Type | Source Description | Budgeted | Spent | Last Transaction Date | Matching Fund |
|--------------------------|-------------------------------------|----------------|--|-------------|------------|-----------------------|---------------|
| 2019 - SSTS Fix it grant | Subsurface Sewage Treatment Systems | Landowner Fund | 2019 Septic Upgrade landowners 25% | \$2,820.97 | \$2,820.97 | 11/20/2018 | Y |
| 2020 - SSTS Fix it grant | Subsurface Sewage Treatment Systems | Other Funds | 2020 - Septic Treatment Systems Upgrade - NRBG (Lac qui Parl.. | \$40,000.00 | | | N |

Activity Details Summary

| Activity Details | Total Action Count | Total Activity Mapped | Proposed Size / Unit | Actual Size / Unit |
|----------------------------------|--------------------|-----------------------|----------------------|--------------------|
| 126M - Septic System Improvement | 8 | | 1 COUNT | COUNT |

Proposed Activity Indicators

| Activity Name | Indicator Name | Value & Units | Waterbody | Calculation Tool | Comments |
|---------------|----------------|---------------|-----------|------------------|----------|
|---------------|----------------|---------------|-----------|------------------|----------|

Final Indicators Summary

| Indicator Name | Total Value | Unit |
|-------------------------------------|------------------------|---------|
| BOD 5 | 1,845.00 | LBS/YR |
| SEDIMENT (TSS) | 629.00 | TONS/YR |
| PATHOGENS (E. COLI) | 375,600,000,000,000.00 | CFU |
| Total Suspended Solids (TSS) | 390.00 | Mg/L |
| NITROGEN | 159.00 | LBS/YR |
| PHOSPHORUS (EST. REDUCTION) | 54.00 | LBS/YR |

Grant Activity

| Grant Activity - 2019 - SSTS Fix it grant | | | |
|---|---|----------|-----------|
| Description | 2019 - Fix it Grant | | |
| Category | SUBSURFACE SEWAGE TREATMENT SYSTEMS | | |
| Start Date | 20-Sep-18 | End Date | 31-Dec-19 |
| Has Rates and Hours? | No | | |
| Actual Results | 2 systems were installed in 2018 after the FY 2019 grant money was received. Balance of one which was split between FY 2018 & 19 money was paid out at \$6,792.35. The second one was totally funded under FY 2019 at \$8,462.91. Another system installed 2019 was funded with FY 2019 money at \$6,563.00. One last system was installed which the balance of the FY 2019 grant was used to make a partial payment. The amount used for this system was \$1,393.74. Balance of \$9,453.20 used FY 2020 funds. | | |

| Activity Action - 2019 Fix it Grant | | | |
|-------------------------------------|--|---------------------|----------|
| Practice | 126M - Septic System Improvement | Count of Activities | 1 |
| Description | 2019 Fix it grant - upgrade failing system | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 25 Years |
| Actual Size/Units | COUNT | Installed Date | 7-Nov-18 |
| Mapped Activities | No | | |

| Final Indicator for 2019 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 2019 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 | | |

| Final Indicator for 2019 Fix it Grant | | | |
|---------------------------------------|---|------------------|--|
| Indicator Name | SEDIMENT (TSS) | Value | 195 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR | Calculation Tool | Septic System Improvement Estimator (SSIE) |

| | | | |
|---------------------------------------|--|------------------|--|
| Waterbody | groundwater | | |
| Final Indicator for 2019 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 2019 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 | | |

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|-------------------------------------|---|---------------------|-----------|
| Activity Action - 2019 Fix it Grant | | | |
| Practice | 126M - Septic System Improvement | Count of Activities | 1 |
| Description | 2019 Fix it grant - upgrade failing septic system | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 25 Years |
| Actual Size/Units | COUNT | Installed Date | 26-Sep-19 |
| Mapped Activities | No | | |

| | | | |
|---------------------------------------|--|------------------|--|
| Final Indicator for 2019 Fix it Grant | | | |
| Indicator Name | PATHOGENS (E. COLI) | Value | 3.05E+13 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) CFU | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |
| Final Indicator for 2019 Fix it Grant | | | |
| Indicator Name | Total Suspended Solids (TSS) | Value | 49 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) Mg/L | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |
| Final Indicator for 2019 Fix it Grant | | | |
| Indicator Name | BOD 5 | Value | 89 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |
| Final Indicator for 2019 Fix it Grant | | | |
| 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 2019 Fix it Grant | | | |
| Indicator Name | NITROGEN | Value | 8 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

| | | | |
|-------------------------------------|--|---------------------|-----------|
| Activity Action - 2019 Fix it Grant | | | |
| Practice | 126M - Septic System Improvement | Count of Activities | 1 |
| Description | 2019 Fix it grant - upgrade failing system | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 25 Years |
| Actual Size/Units | COUNT | Installed Date | 20-Nov-18 |
| Mapped Activities | No | | |

| | | | |
|---------------------------------------|--|------------------|--|
| Final Indicator for 2019 Fix it Grant | | | |
| Indicator Name | NITROGEN | Value | 20 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

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|---------------------------------------|--|------------------|--|
| Final Indicator for 2019 Fix it Grant | | | |
| 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 2019 Fix it Grant | | | |
| Indicator Name | PATHOGENS (E. COLI) | Value | 3.01E+13 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) CFU | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

| | | | |
|---------------------------------------|--|------------------|--|
| Final Indicator for 2019 Fix it Grant | | | |
| Indicator Name | BOD 5 | Value | 88 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

Final Indicator for 2019 Fix it Grant

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|-----------------------------|--|------------------|--|
| Indicator Name | Total Suspended Solids (TSS) | Value | 49 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) Mg/L | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

Activity Action - 2019 Fix it Grant

| | | | |
|-----------------------|--|---------------------|-----------|
| Practice | 126M - Septic System Improvement | Count of Activities | 1 |
| Description | 2019 Fix it Grant - upgrade failing system | | |
| Proposed Size / Units | 1.00 COUNT | Lifespan | 25 Years |
| Actual Size/Units | COUNT | Installed Date | 15-Oct-19 |
| Mapped Activities | No | | |

Final Indicator for 2019 Fix it Grant

| | | | |
|-----------------------------|--|------------------|--|
| Indicator Name | BOD 5 | Value | 89 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

Final Indicator for 2019 Fix it Grant

| | | | |
|-----------------------------|--|------------------|--|
| Indicator Name | Total Suspended Solids (TSS) | Value | 49 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) Mg/L | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

Final Indicator for 2019 Fix it Grant

| | | | |
|-----------------------------|---|------------------|--|
| Indicator Name | PATHOGENS (E. COLI) | Value | 3.05E+13 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) CFU | Calculation Tool | Septic System Improvement Estimator (SSIE) |
| Waterbody | Groundwater | | |

Final Indicator for 2019 Fix it Grant

| | | | |
|-----------------------------|--|------------------|--|
| 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 2019 Fix it Grant

| | | | |
|-----------------------------|--|------------------|---------------------------|
| Indicator Name | NITROGEN | Value | 20 |
| Indicator Subcategory/Units | WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR | Calculation Tool | Septic System Improvement |

| | | |
|-----------|-------------|------------------|
| Waterbody | Groundwater | Estimator (SSIE) |
|-----------|-------------|------------------|

Grant Attachments

| Document Name | Document Type | Description |
|---|--------------------|--|
| 2019 SSTS Program Grant | Grant Agreement | 2019 SSTS Program - Lac qui Parle County |
| 2019 SSTS Program Grant EXECUTED | Grant Agreement | 2019 SSTS Program - Lac qui Parle County |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 03/04/2019 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 04/02/2019 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 04/12/2019 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 01/28/2019 |
| All Details Report | Workflow Generated | Workflow Generated - All Details Report - 03/04/2019 |