



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2020

Grant Title - 2020 - Septic Treatment Systems Upgrade - NRBG (Murray County)

Grant ID - P20-7076

Organization - Murray County

Original Awarded Amount	\$30,000.00	Grant Execution Date	9/21/2019
Required Match Amount	\$0.00	Original Grant End Date	12/31/2022
Required Match %	0%	Grant Day To Day Contact	Jean Christoffels
Current Awarded Amount	\$30,000.00	Current End Date	12/31/2022

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$30,000.00	\$30,000.00	\$0.00
Total Match Amount	\$14,909.51	\$14,909.51	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$44,909.51	\$44,909.51	\$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	Matching Fund
2020 SSTS #1	Subsurface Sewage Treatment Systems	Current State Grant	2020 - Septic Treatment Systems Upgrade - NRBG (Murray Count..	\$12,196.00	\$12,196.00	7/31/2020	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2020 SSTS #1	Subsurface Sewage Treatment Systems	Landowner Fund	Match	\$3,049.00	\$3,049.00	7/31/2020	Y
2020 SSTS #2	Subsurface Sewage Treatment Systems	Current State Grant	2020 - Septic Treatment Systems Upgrade - NRBG (Murray Count..	\$12,366.56	\$12,366.56	10/2/2020	N
2020 SSTS #2	Subsurface Sewage Treatment Systems	Landowner Fund	Match	\$3,291.64	\$3,291.64	10/2/2020	Y
2020 SSTS #3	Subsurface Sewage Treatment Systems	Current State Grant	2020 - Septic Treatment Systems Upgrade - NRBG (Murray Count..	\$5,437.44	\$5,437.44	10/2/2020	N
2020 SSTS #3	Subsurface Sewage Treatment Systems	Landowner Fund	Match	\$8,568.87	\$8,568.87	10/2/2020	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	3		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	447.00	LBS/YR
PATHOGENS (E. COLI)	152,300,000,000,000.00	CFU
Total Suspended Solids (TSS)	0.12	Mg/L
NITROGEN	103.00	LBS/YR
PHOSPHORUS (EST. REDUCTION)	23.00	LBS/YR

Grant Activity

Grant Activity - 2020 SSTS #1			
Description	SSTS Abatement Low Income Grant		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	13-Jan-20	End Date	27-Jul-20
Has Rates and Hours?	No		
Actual Results	Replacement of septic system to protect groundwater.		

Activity Action - 2020 SSTS Replacement			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	This is a low income SSTS grant that was paid out in the amount of \$12,196.00 to replace a septic system that was failing to protect ground water. This covered 80% of the total amount of the project. The total project was \$15,245.00. The homeowner is responsible for the remainder which is \$3,049.00.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	10-Jul-20
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for 2020 SSTS Replacement			
Indicator Name	NITROGEN	Value	41
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	Des Moines River Watershed		
Final Indicator for 2020 SSTS Replacement			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		
Final Indicator for 2020 SSTS Replacement			
Indicator Name	PATHOGENS (E. COLI)	Value	60900000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		
Final Indicator for 2020 SSTS Replacement			
Indicator Name	Total Suspended Solids (TSS)	Value	.0495
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		
Final Indicator for 2020 SSTS Replacement			
Indicator Name	BOD 5	Value	179
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		

Grant Activity - 2020 SSTS #2			
Description	SSTS Abatement Low Income Grant		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	19-Mar-20	End Date	28-Aug-20
Has Rates and Hours?	No		
Actual Results	Replacement of septic system to protect groundwater.		

Activity Action - 2020 SSTS Replacement			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	This is a low income SSTS grant that was paid out in the amount of \$12,366.56 to replace a septic system that was failing to protect ground water. This covered 80% of the total amount of the project. The total project was \$15,458.20 plus \$200 permit fees (\$15,658.20). The homeowner is responsible for the remainder which is \$3,291.64.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	12-Aug-20
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for 2020 SSTS Replacement

Indicator Name	NITROGEN	Value	31
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Missouri River Watershed		

Final Indicator for 2020 SSTS Replacement

Indicator Name	PATHOGENS (E. COLI)	Value	4570000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Missouri River Watershed		

Final Indicator for 2020 SSTS Replacement

Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Missouri River Watershed		

Final Indicator for 2020 SSTS Replacement

Indicator Name	Total Suspended Solids (TSS)	Value	.037
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Missouri River Watershed		

Final Indicator for 2020 SSTS Replacement

Indicator Name	BOD 5	Value	134
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Missouri River Watershed		

Grant Activity - 2020 SSTS #3			
Description	SSTS Abatement Low Income Grant		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	10-Jul-20	End Date	04-Aug-20
Has Rates and Hours?	No		
Actual Results	Replacement of septic system to protect groundwater.		

Activity Action - 2020 SSTS Replacement			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	This is a low income SSTS grant that was paid out in the amount of \$5,437.44 to replace a septic system that was failing to protect ground water. This covered less than 80% of the total amount of the project; used the balance of what was left of the grant. The total project was \$14,006.31. The homeowner is responsible for the remainder which is \$8,568.87.		
Proposed Size / Units	1.00 COUNT	Lifespan	20 Years
Actual Size/Units	1.00 COUNT	Installed Date	10-Jul-20
Mapped Activities	No	Technical Assistance Provider	Other

Final Indicator for 2020 SSTS Replacement			
Indicator Name	NITROGEN	Value	31
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		

Final Indicator for 2020 SSTS Replacement			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		

Final Indicator for 2020 SSTS Replacement			
Indicator Name	PATHOGENS (E. COLI)	Value	4570000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		

Final Indicator for 2020 SSTS Replacement			
Indicator Name	Total Suspended Solids (TSS)	Value	.037
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		
Final Indicator for 2020 SSTS Replacement			
Indicator Name	BOD 5	Value	134
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Des Moines River Watershed		

Grant Attachments

Document Name	Document Type	Description
2020 SSTS Upgrade NRBG Grant Complete	Grant	2020 - Septic Treatment Systems Upgrade - NRBG (Murray County)
2020/2021 Natural Resources Block Grant	Grant Agreement	2020/2021 Natural Resources Block Grant - Murray County
2020/2021 Natural Resources Block Grant EXECUTED	Grant Agreement	2020/2021 Natural Resources Block Grant - Murray County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/11/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/18/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/19/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 12/11/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/27/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/10/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 11/16/2020