



# Grant All-Detail Report

## Septic Treatment Systems Upgrade - NRBG 2016

**Grant Title** - 2016 - Septic Treatment Systems Upgrade - NRBG (Martin County)

**Grant ID** - P16-8005

**Organization** - Martin County

<b>Grant Awarded Amount</b>	<b>\$14,778.00</b>	<b>Grant Execution Date</b>	<b>12/30/2015</b>
<b>Required Match Amount</b>	<b>\$0.00</b>	<b>Grant End Date</b>	<b>12/31/2018</b>
<b>Required Match %</b>	<b>0%</b>	<b>Grant Day To Day Contact</b>	<b>Ashley Brenke</b>

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$14,778.00	\$14,778.00	\$0.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$1,500.00	\$1,500.00	\$0.00
<b>Total</b>	<b>\$16,278.00</b>	<b>\$16,278.00</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
010220300	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin Count..	\$2,500.00	\$2,500.00	6/20/2017	N
030073800	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin Count..	\$1,000.00	\$1,000.00	9/14/2017	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
030073800	Subsurface Sewage Treatment Systems	Other Funds	2017 - Septic Treatment Systems Upgrade - NRBG (Martin Count..	\$1,500.00	\$1,500.00	9/14/2017	N
050310850	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin Count..	\$2,500.00	\$2,500.00	11/8/2017	N
130090600	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin Count..	\$2,500.00	\$2,500.00	11/15/2017	N
180050300	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin County)	\$2,500.00	\$2,500.00	8/4/2016	N
180190250	Subsurface Sewage Treatment Systems	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin Count..	\$2,500.00	\$2,500.00	6/15/2017	N
SSTS Upgrade Administration	Administration /Coordination	Current State Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin County)	\$1,278.00	\$1,278.00	12/31/2017	N

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	6	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
<b>BOD 5</b>	847.00	LBS/YR
<b>PATHOGENS (E. COLI)</b>	226,200,000,000,000.00	CFU
<b>SEDIMENT (TSS)</b>	0.20	TONS/YR
<b>Total Suspended Solids (TSS)</b>	0.03	Mg/L
<b>PHOSPHORUS (EST. REDUCTION)</b>	33.00	LBS/YR
<b>NITROGEN</b>	126.00	LBS/YR

## Grant Activity

Grant Activity - 010220300			
Description	SSTS upgrade at 010220300.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-17	End Date	20-Jun-17
Has Rates and Hours?	No		
Actual Results	Funds were used to upgrade an SSTS.		

Activity Action - 010220300			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS Improvement		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	20-Jun-17
Mapped Activities	No		

Final Indicator for 010220300			
Indicator Name	NITROGEN	Value	31
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Cedar Creek		

Final Indicator for 010220300			
Indicator Name	PATHOGENS (E. COLI)	Value	46700000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Cedar Creek		
Final Indicator for 010220300			
Indicator Name	SEDIMENT (TSS)	Value	.038
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Cedar Creek		
Final Indicator for 010220300			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	7
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Cedar Creek		
Final Indicator for 010220300			
Indicator Name	BOD 5	Value	137
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Cedar Creek		

Grant Activity - 030073800			
Description	SSTS Upgrade at 030073800.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-17	End Date	14-Sep-17
Has Rates and Hours?	No		
Actual Results	Funds were used to upgrade an SSTS.		

Activity Action - 030073800			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS Improvement		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	14-Sep-17
Mapped Activities	No		

Final Indicator for 030073800			
Indicator Name	NITROGEN	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	South Creek		
Final Indicator for 030073800			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	South Creek		
Final Indicator for 030073800			
Indicator Name	SEDIMENT (TSS)	Value	.019
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	South Creek		
Final Indicator for 030073800			
Indicator Name	BOD 5	Value	68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	South Creek		
Final Indicator for 030073800			
Indicator Name	PATHOGENS (E. COLI)	Value	23300000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	South Creek		

Grant Activity - 050310850			
Description	SSTS upgrade at 050310850.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-17	End Date	08-Nov-17
Has Rates and Hours?	No		
Actual Results	Funds were used to upgrade an SSTS.		

<b>Activity Action - 050310850</b>			
<b>Practice</b>	126M - Septic System Improvement	<b>Count of Activities</b>	1
<b>Description</b>	SSTS Improvement		
<b>Proposed Size / Units</b>	1.00 COUNT	<b>Lifespan</b>	10 Years
<b>Actual Size/Units</b>	1.00 COUNT	<b>Installed Date</b>	8-Nov-17
<b>Mapped Activities</b>	No		

**Final Indicator for 050310850**

<b>Indicator Name</b>	NITROGEN	<b>Value</b>	26
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Center Creek		

**Final Indicator for 050310850**

<b>Indicator Name</b>	Total Suspended Solids (TSS)	<b>Value</b>	.0315
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Center Creek		

**Final Indicator for 050310850**

<b>Indicator Name</b>	PATHOGENS (E. COLI)	<b>Value</b>	38900000000000
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) CFU	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Center Creek		

**Final Indicator for 050310850**

<b>Indicator Name</b>	BOD 5	<b>Value</b>	114
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Center Creek		

**Final Indicator for 050310850**

<b>Indicator Name</b>	PHOSPHORUS (EST. REDUCTION)	<b>Value</b>	6
<b>Indicator Subcategory/Units</b>	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	<b>Calculation Tool</b>	Septic System Improvement Estimator (SSIE)
<b>Waterbody</b>	Center Creek		

Grant Activity - 130090600			
Description	SSTS upgrade at 130090600.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-17	End Date	15-Nov-17
Has Rates and Hours?	No		
Actual Results	Funds were used to upgrade an SSTS.		

Activity Action - 130090600			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS Improvement		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	15-Nov-17
Mapped Activities	No		

Final Indicator for 130090600			
Indicator Name	NITROGEN	Value	21
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Willow Creek		
Final Indicator for 130090600			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	5
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Willow Creek		
Final Indicator for 130090600			
Indicator Name	PATHOGENS (E. COLI)	Value	31100000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Willow Creek		
Final Indicator for 130090600			
Indicator Name	SEDIMENT (TSS)	Value	.025
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Willow Creek		

Final Indicator for 130090600			
Indicator Name	BOD 5	Value	91
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Willow Creek		

Grant Activity - 180050300			
Description	SSTS upgrade at 180050300.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-16	End Date	04-Aug-16
Has Rates and Hours?	No		
Actual Results	Funds were used to upgrade an SSTS.		

Activity Action - 180050300			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS Improvement		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	4-Aug-16
Mapped Activities	No		

Final Indicator for 180050300			
Indicator Name	BOD 5	Value	369
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		

Final Indicator for 180050300			
Indicator Name	PATHOGENS (E. COLI)	Value	62900000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		

Final Indicator for 180050300			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	9
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		



Final Indicator for 180050300			
Indicator Name	NITROGEN	Value	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		
Final Indicator for 180050300			
Indicator Name	SEDIMENT (TSS)	Value	.1
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		

Grant Activity - 180190250			
Description	SSTS upgrade at 180190250.		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	1-Jan-17	End Date	15-Jun-17
Has Rates and Hours?	No		
Actual Results	Funds were used to upgrade an SSTS.		

Activity Action - 180190250			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS Improvement		
Proposed Size / Units	1.00 COUNT	Lifespan	10 Years
Actual Size/Units	1.00 COUNT	Installed Date	15-Jun-17
Mapped Activities	No		

Final Indicator for 180190250			
Indicator Name	SEDIMENT (TSS)	Value	.019
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) TONS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		
Final Indicator for 180190250			
Indicator Name	PATHOGENS (E. COLI)	Value	23300000000000
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) CFU	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		

Final Indicator for 180190250			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	3
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		
Final Indicator for 180190250			
Indicator Name	BOD 5	Value	68
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		
Final Indicator for 180190250			
Indicator Name	NITROGEN	Value	16
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	East Fork Des Moines River		

Grant Activity - SSTS Upgrade Administration			
Description	Administration of SSTS Upgrades		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Jan-16	End Date	31-Dec-17
Has Rates and Hours?	No		
Actual Results	<p>2016: Staff assisted homeowners with financial assistance for SSTS upgrades.</p> <p>Zoning Technician, 18 hours @ \$30.28/hr  Administrative Assistant, 2 hours @ \$22.09/hr</p> <p>2017: Martin County Planning &amp; Zoning staff provided administration for SSTS upgrade financial assistance.</p> <p>Zoning Technician, 41 hours @ \$32.11/hr  Administrative Assistant, 1.5 hours @ \$23.26/hr</p>		

## Grant Attachments

Document Name	Document Type	Description
<b>2016 Natural Resources Block Grant</b>	Grant Agreement	2016 Natural Resources Block Grant - Martin County
<b>2016 Natural Resources Block Grant executed</b>	Grant Agreement	2016 Natural Resources Block Grant - Martin County
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/01/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/14/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/12/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/05/2018
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 02/08/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 01/29/2016
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 04/07/2017
<b>All Details Report</b>	Workflow Generated	Workflow Generated - All Details Report - 03/02/2018
<b>Final Financial Report</b>	Grant	2016 - Septic Treatment Systems Upgrade - NRBG (Martin County)