



Grant All-Detail Report Watershed Based Implementation JAN 2021

Grant Title - 2021 Metro WBIF – Mississippi East Watershed – Washington Co.

Grant ID - C21-2037

Organization - Washington County

Original Awarded Amount	\$54,274.00	Grant Execution Date	3/31/2021
Required Match Amount	\$5,427.40	Original Grant End Date	12/31/2023
Required Match %	10%	Grant Day To Day Contact	Jessica Collin-Pilarski - original
Current Awarded Amount	\$54,274.00	Current End Date	12/31/2023

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$54,274.00	\$5,675.00	\$48,599.00
Total Match Amount	\$13,000.00	\$4,675.00	\$8,325.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$67,274.00	\$10,350.00	\$56,924.00

*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
Grant Administration	Administration /Coordination	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Washington Co..	\$1,710.00			N
Protect private wells in flood prone areas	Education/Information	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Washington Co..	\$26,964.00			N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
SSTS fix-up grant	Subsurface Sewage Treatment Systems	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Washington Co..	\$8,000.00			N
Smart salting class	Education/Information	Current State Grant	2021 Metro WBIF – Mississippi East Watershed – Washington Co..	\$4,600.00	\$1,000.00	11/9/2021	N
Well sealing	Groundwater	Current State Grant		\$13,000.00	\$4,675.00	11/16/2021	N
Well sealing	Groundwater	Local Fund	Washington County match for well sealing	\$13,000.00	\$4,675.00	11/16/2021	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	1		1 COUNT	COUNT
351 - Well Decommissioning	13	5	1 COUNT	COUNT

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
SSTS fix-up grant	PATHOGENS (E. COLI)	6.88E+13 CFU	groundwater	Septic System Improvement Estimator (SSIE)	
SSTS fix-up grant	PHOSPHORUS (EST. REDUCTION)	10 LBS/YR	groundwater	Septic System Improvement Estimator (SSIE)	
SSTS fix-up grant	BOD 5	403 LBS/YR	groundwater	Septic System Improvement Estimator (SSIE)	
SSTS fix-up grant	NITROGEN	14 LBS/YR	groundwater	Septic System	

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
				Improvement Estimator (SSIE)	
SSTS fix-up grant	Total Suspended Solids (TSS)	233 Mg/L	groundwater	Septic System Improvement Estimator (SSIE)	

Final Indicators Summary

Indicator Name	Total Value	Unit
PREVENTION	1.00	COUNT

Grant Activity

Grant Activity - Grant Administration	
Description	Planner will Administer the grant including coordinating all activities, tracking time and money spent, and reporting results. This will occur every year for each of the 3 years of the grant. The milestones will be that the reporting is completed each year.
Category	ADMINISTRATION/COORDINATION
Start Date	End Date
Has Rates and Hours?	Yes
Actual Results	

Grant Activity - Protect private wells in flood prone areas

<p>Description</p>	<p>This will be done by using MDH data to identify private wells in flood prone areas to do targeted outreach and education and potentially offer upgrades if they are needed. The wells identified by MDH are wells that were likely not in the flood zone when built but with the change in weather patterns (climate change) these wells now are a risk to contaminating groundwater and surface water. Using criteria determined with the guidance of MDH approximately 78 well owners in the East Mississippi area will receive direct outreach. Likely just over half might request site visits. The upgrade costs vary from \$0 to \$1,000. We could likely be able to assist 20 to 40 upgrades depending on actual costs.</p> <p>Planner will develop outreach materials Environmental Scientist will conduct the site visits</p> <p>Year 1 milestones: Develop outreach materials Send out materials</p> <p>Year 2 milestones: Work with interested well owners to educate and upgrade wells to protect from flooding</p> <p>Year 3 milestones: Continue work from year 2 and wrap up grant</p>	
<p>Category</p>	<p>EDUCATION/INFORMATION</p>	
<p>Start Date</p>		<p>End Date</p>
<p>Has Rates and Hours?</p>	<p>Yes</p>	
<p>Actual Results</p>	<p>2021- preliminary discussions and review of well data.</p>	

Grant Activity - SSTS fix-up grant

Description	<p>Priority is systems that are non-compliant due to failed compliance inspection. Targeted to low income systems within the East Mississippi Watershed. One system will be replaced.</p> <p>No staff time will be billed to the grant for this activity.</p> <p>Environmental Scientist will find system and owner that qualifies for program. This will follow current standard procedures for our Septic replacement grants and loans. The property owner will use a licensed septic contractor and the department will have a signed agreement with the land owner.</p> <p>Year 1 milestone: Identify system in the watershed that qualifies</p> <p>Year 2 milestone: Replace system</p> <p>Year 3 milestone: none as will be completed in year 2</p>
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS
Start Date	End Date
Has Rates and Hours?	No
Actual Results	

Activity Action - SSTS fix up			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	SSTS installed.		
Proposed Size / Units	1.00 COUNT	Lifespan	30 Years
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	Other

Grant Activity - Smart salting class

Description	<p>One class per year for three years will be offered to Property Managers, Road Maintenance Personnel, and Businesses within the watershed that conduct salting activities to educate them on practices to use less salt in order to reduce contamination of surface and groundwater resources. Estimate 25 attendees per class.</p> <p>An educator with EMWREP will coordinate and promote classes. The state approved consultant will teach the classes.</p> <p>Year 1 milestone: Jointly host one class with Dakota County</p> <p>Year 2 milestone: Jointly host one class with Dakota County</p> <p>Year 3 milestone: Jointly host one class with Dakota County</p>		
Category	EDUCATION/INFORMATION		
Start Date	1-May-21	End Date	
Has Rates and Hours?	Yes		
Actual Results	2021 - one smart salt class was hosted jointly with Dakota County, 18 participants.		

Grant Activity - Well sealing

Description	<p>Wells that are no longer in use (abandoned wells) are a contamination risk to groundwater and surface water. This project will prioritize sealing of abandoned wells in high risk areas that include drinking water supply management areas and contamination areas. 13 wells will be sealed.</p> <p>No staff time is billed to the grant for this activity.</p> <p>Planner will map target area and promote well sealing program. This activity will be incorporated into the existing well sealing program and follow that procedure. It requires an Environmental Scientist from the department to do a site visit and verify there is an eligible well. Then the land owner must sign an agreement with the department. The land owner has to get two bids from licensed well contractors and choose the lowest of the two bids. Both bids along with paid invoice and record of sealing are submitted to the department before land owner is reimbursed.</p> <p>Year 1 milestone: Map target area Year 2 milestone: seal 7 wells Year 3 milestone: seal 7 wells</p>		
Category	GROUNDWATER		
Start Date	1-May-21	End Date	
Has Rates and Hours?	No		
Actual Results	2021 - 5 wells sealed in East Mississippi watershed.		

Activity Action - well sealing - to be sealed			
Practice	351 - Well Decommissioning	Count of Activities	8
Description			
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	COUNT	Installed Date	
Mapped Activities	No	Technical Assistance Provider	Other

Activity Action - 2021: Wells #1-5			
Practice	351 - Well Decommissioning	Count of Activities	5
Description	Wells sealed in accordance with MN Well Code.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	COUNT	Installed Date	31-Dec-21
Mapped Activities	5 Point(s)	Technical Assistance Provider	Private Consultant

Final Indicator for 2021: Wells #1-5			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Attachments

Document Name	Document Type	Description
2021 Watershed Based Implementation Funding	Grant Agreement	2021 Watershed Implementation Funding - Washington County
2021 Watershed Based Implementation Funding EXECUTED	Grant Agreement	2021 Watershed Implementation Funding - Washington County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/26/2022
Application	Workflow Generated	Workflow Generated - Application - 01/29/2021
Work Plan	Workflow Generated	Workflow Generated - Work Plan - 02/01/2021