



Grant All-Detail Report LWM-NRBG 2018

Grant Title - 2018 - Local Water Management - NRBG (Murray County)

Grant ID - P18-7852

Organization - Murray County

Original Awarded Amount	\$15,050.00	Grant Execution Date	11/8/2017
Required Match Amount	\$0.00	Original Grant End Date	12/31/2020
Required Match %	0%	Grant Day To Day Contact	Jean Christoffels
Current Awarded Amount	\$15,050.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$15,050.00	\$15,050.00	\$0.00
Total Match Amount	\$11,131.00	\$11,131.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$26,181.00	\$26,181.00	\$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
2018 Administration/Coordination	Administration /Coordination	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$2,739.30	\$2,739.30	12/31/2018	N
2018 Administration/Coordination	Administration /Coordination	Local Fund	Local Levy	\$2,967.46	\$2,967.46	12/31/2018	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2018 Ecology Bus	Education/Information	Local Fund	Local Levy	\$1,841.64	\$1,841.64	11/6/2018	Y
2018 Education/Information	Education/Information	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$1,421.96	\$1,421.96	12/31/2018	N
2018 Monitoring/Data Collection	Monitoring/Data Collection	Local Fund	Local Levy	\$1,946.90	\$1,946.90	12/31/2018	Y
2019 Administration/Coordination	Administration/Coordination	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$4,393.28	\$4,393.28	12/31/2019	N
2019 Monitoring/Data Collection	Monitoring/Data Collection	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$2,120.46	\$2,120.46	12/31/2019	N
Bangasser Farms 1 well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/20/2018	N
Bangasser Farms 1 well sealing	Groundwater	Landowner Fund	Match	\$375.00	\$375.00	12/20/2018	Y
Bangasser Farms 2 well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/20/2018	N
Bangasser Farms 2 well sealing	Groundwater	Landowner Fund	Match	\$375.00	\$375.00	12/20/2018	Y
Carol Smith well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$400.00	\$400.00	12/20/2018	N
Carol Smith well sealing	Groundwater	Landowner Fund	Match	\$400.00	\$400.00	12/20/2018	Y
David McClellan well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$400.00	\$400.00	2/1/2019	N
David McClellan well sealing	Groundwater	Landowner Fund	Match	\$400.00	\$400.00	2/1/2019	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Kaley Wurpts well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	11/8/2019	N
Kaley Wurpts well sealing	Groundwater	Landowner Fund	Match	\$375.00	\$375.00	11/8/2019	Y
Karen Feit well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$400.00	\$400.00	11/8/2019	N
Karen Feit well sealing	Groundwater	Landowner Fund	Match	\$400.00	\$400.00	11/8/2019	Y
Mitchell Magnus well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$400.00	\$400.00	11/8/2019	N
Mitchell Magnus well sealing	Groundwater	Landowner Fund	Match	\$400.00	\$400.00	11/8/2019	Y
Roger Kremer well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$400.00	\$400.00	11/8/2019	N
Roger Kremer well sealing	Groundwater	Landowner Fund	Match	\$400.00	\$400.00	11/8/2019	Y
Todd Miller well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/20/2018	N
Todd Miller well sealing	Groundwater	Landowner Fund	Match	\$375.00	\$375.00	12/20/2018	Y
Travis Pierson well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/20/2018	N
Travis Pierson well sealing	Groundwater	Landowner Fund	Match	\$375.00	\$375.00	12/20/2018	Y
Trevor Holm well sealing	Groundwater	Current State Grant	2018 - Local Water Management - NRBG (Murray County)	\$500.00	\$500.00	12/31/2019	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Trevor Holm well sealing	Groundwater	Landowner Fund	Match	\$500.00	\$500.00	12/31/2019	Y

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
351 - Well Decommissioning	11	11	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
PREVENTION	11.00	COUNT

Grant Activity

Grant Activity - 2018 Administration/Coordination			
Description	2018 Administration/Coordination		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Dec-17	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Administered the LWM Plan. Kept minutes from the meetings, paid per diems, recorded the data from the well water and pit tile testing, and well sealing. Also paid for a fair booth at the County fair for nitrate testing. See attached for a detailed list of expenditures.		

Grant Activity - 2018 Ecology Bus			
Description	2018 Ecology Bus gave presentations at two public schools within the County and at the Murray County Fair. This bus is a state-of-the-art school, mobile scientific laboratory, and classroom designed to educate school children and adults about the environment and natural sciences. The Ecology Bus is modeled after a similar bus and program in Sweden.		
Category	EDUCATION/INFORMATION		
Start Date	14-Feb-18	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	Funded the Prairie Ecology Bus to appear at two public schools and the County Fair. The Ecology Bus is a mobile laboratory/classroom for teaching people about environmental science. The topic of this year's programming was Lake Ecology.		

Grant Activity - 2018 Education/Information			
Description	2018 Education/Information		
Category	EDUCATION/INFORMATION		
Start Date	1-Dec-17	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>Helped sponsor the Southwest Environmental Fair, a fair that teaches fifth graders from southwest Minnesota the values of a clean environment. Held a free nitrate clinic at the County Fair. Tested a quarter of 73 wells throughout the County for background levels of F. coliform, nitrate-nitrite, sulfate and specific conductance. The data was compiled through the local water plan. See attached for a detailed list of expenditures.</p>		

Grant Activity - 2018 Monitoring/Data Collection			
Description	2018 Monitoring/Data Collection		
Category	MONITORING/DATA COLLECTION		
Start Date	1-Dec-17	End Date	31-Dec-18
Has Rates and Hours?	No		
Actual Results	<p>Tiles were tested on half of the barns that are on the annual inspection list. This list has been formed from all the new total confinement hog buildings that have been constructed since the mid 1990's in Murray County. The barns are required to have tile around them with an area that a water sample can be taken from to see if there is any leakage of manure from the pit. There were 24 out of 33 pit tiles that had water in them and were tested. The samples were delivered to Minnesota Valley Testing Laboratories, Inc. in New Ulm for analysis. Tests were run for nitrate-nitrogen, F. coliform, chloride, total dissolved solids, and ammonia. The data was compiled through the Local Water Management Plan. See attached letter that goes out to sampling sites. See attached for a detailed list of expenditures.</p>		

Grant Activity - 2019 Administration/Coordination			
Description	2019 Administration/Coordination		
Category	ADMINISTRATION/COORDINATION		
Start Date	1-Dec-18	End Date	31-Dec-19
Has Rates and Hours?	No		
Actual Results	Administered the LWM Plan. Kept minutes from the meetings, paid per diems, recorded the data from the well water and pit tile testing, and well sealing. Also paid for a fair booth at the County fair for nitrate testing. See attached for a detailed list of expenditures.		

Grant Activity - 2019 Monitoring/Data Collection			
Description	2019 Monitoring/Data Collection		
Category	MONITORING/DATA COLLECTION		
Start Date	1-Dec-18	End Date	31-Dec-19
Has Rates and Hours?	No		
Actual Results	Tiles were tested on half of the barns that are on the annual inspection list. This list has been formed from all the new total confinement hog buildings that have been constructed since the mid 1990's in Murray County. The barns are required to have tile around them with an area that a water sample can be taken from to see if there is any leakage of manure from the pit. There were 17 out of 37 pit tiles that had water in them and were tested. The samples were delivered to Minnesota Valley Testing Laboratories, Inc. in New Ulm for analysis. Tests were run for nitrate-nitrogen, F. coliform, chloride, total dissolved solids, and ammonia. The data was compiled through the Local Water Management Plan. See attached letter that goes out to sampling sites. See attached for a detailed list of expenditures.		

Grant Activity - Bangasser Farms 1 well sealing			
Description	Bangasser Farms 1 well sealing		
Category	GROUNDWATER		
Start Date	20-Nov-18	End Date	20-Dec-18
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Bangasser Farms 1 well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	1-Dec-18
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Bangasser Farms 1 well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Bangasser Farms 2 well sealing			
Description	Bangasser Farms 2 well sealing		
Category	GROUNDWATER		
Start Date	20-Nov-18	End Date	20-Dec-18
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Bangasser Farms 2 well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	1-Dec-18
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Bangasser Farms 2 well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Carol Smith well sealing			
Description	Carol Smith well sealing		
Category	GROUNDWATER		
Start Date	21-Nov-18	End Date	20-Dec-18
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Carol Smith well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	6-Dec-18
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Carol Smith well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - David McClellan well sealing			
Description	David McClellan well sealing		
Category	GROUNDWATER		
Start Date	26-Nov-18	End Date	01-Feb-19
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - David McClellan well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	21-Dec-18
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for David McClellan well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Kaley Wurpts well sealing			
Description	Kaley Wurpts well sealing		
Category	GROUNDWATER		
Start Date	6-Sep-18	End Date	08-Nov-19
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Kaley Wurpts well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	1-Aug-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Kaley Wurpts well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Karen Feit well sealing			
Description	Karen Feit well sealing		
Category	GROUNDWATER		
Start Date	22-Feb-19	End Date	08-Nov-19
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Karen Feit well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	30-Apr-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Karen Feit well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Mitchell Magnus well sealing			
Description	Mitchell Magnus well sealing		
Category	GROUNDWATER		
Start Date	9-Sep-19	End Date	08-Nov-19
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Mitchell Magnus well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	19-Sep-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Mitchell Magnus well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Roger Kremer well sealing			
Description	Roger Kremer well sealing		
Category	GROUNDWATER		
Start Date	9-Sep-19	End Date	08-Nov-19
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Roger Kremer well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	5-Oct-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Roger Kremer well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Todd Miller well sealing			
Description	Todd Miller well sealing		
Category	GROUNDWATER		
Start Date	6-Sep-18	End Date	20-Dec-18
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Todd Miller well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	23-Nov-18
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Todd Miller well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Travis Pierson well sealing			
Description	Travis Pierson well sealing		
Category	GROUNDWATER		
Start Date	29-Nov-18	End Date	20-Dec-18
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Travis Pierson well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	8-Dec-18
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Travis Pierson well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Trevor Holm well sealing			
Description	Trevor Holm well sealing		
Category	GROUNDWATER		
Start Date	22-Nov-19	End Date	31-Dec-19
Has Rates and Hours?	No		
Actual Results	well sealed		

Activity Action - Trevor Holm well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	well seal		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	5-Dec-19
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Trevor Holm well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Attachments

Document Name	Document Type	Description
2018 LWM-NRBG Financial Report	Grant	2018 - Local Water Management - NRBG (Murray County)
2018 NRBG Detailed Expenditures	Grant	2018 - Local Water Management - NRBG (Murray County)
2018 Pit Tile Testing Letter	Grant	2018 - Local Water Management - NRBG (Murray County)
2018/2019 Natural Resources Block Grant	Grant Agreement	2018/2019 Natural Resources Block Grant - Murray County
2018/2019 Natural Resources Block Grant executed	Grant Agreement	2018/2019 Natural Resources Block Grant - Murray County
2019 Detailed Expenditures	Grant	2018 - Local Water Management - NRBG (Murray County)
2019 Pit Tile Testing Letter	Grant	2018 - Local Water Management - NRBG (Murray County)
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/10/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 02/23/2018
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/29/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 03/04/2019
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/09/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 04/09/2020
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/16/2018