



## Grant All-Detail Report LWM-NRBG 2016

**Grant Title** - 2016 - Local Water Management - NRBG (Murray County)

**Grant ID** - P16-4463

**Organization** - Murray County

Original Awarded Amount	<b>\$15,050.00</b>	Grant Execution Date	<b>11/30/2015</b>
Required Match Amount	\$0.00	Original Grant End Date	12/31/2018
Required Match %	0%	Grant Day To Day Contact	Jean Christoffels
Current Awarded Amount	\$15,050.00	Current End Date	12/31/2018

### Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$15,050.00	\$15,050.00	\$0.00
Total Match Amount	\$12,438.50	\$12,438.50	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$27,488.50</b>	<b>\$27,488.50</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
2016 Administration/Coordination	Administration /Coordination	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$2,872.50	\$2,872.50	12/30/2016	N
2016 Administration/Coordination	Administration /Coordination	Local Fund	local levy	\$6,110.69	\$6,110.69	12/30/2016	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
2016 Ecology Bus	Education/Information	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$1,850.00	\$1,850.00	12/27/2016	N
2016 Education/Information	Education/Information	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$2,678.72	\$2,678.72	12/30/2016	N
2016 Education/Information	Education/Information	Local Fund	local levy	\$645.31	\$645.31	12/30/2016	Y
2016 Monitoring/Data Collection	Monitoring/Data Collection	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$1,966.28	\$1,966.28	12/30/2016	N
C.R. Setterberg Farm well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
C.R. Setterberg Farm well sealing	Groundwater	Landowner Fund	Match	\$375.00	\$375.00	12/15/2016	Y
Craig Nepp well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Craig Nepp well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Curtis Reinert well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/8/2016	N
Curtis Reinert well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/8/2016	Y
Dale Bestge well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Dale Bestge well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Dorothy Klingenberg well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/8/2016	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Dorothy Klingenberg well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/8/2016	Y
Elvin Kruger well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Elvin Kruger well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Jim Malone well sealing #1	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Jim Malone well sealing #1	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Jim Malone well sealing #2	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Jim Malone well sealing #2	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Jim Malone well sealing #3	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Jim Malone well sealing #3	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Joel Tutt well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$432.50	\$432.50	6/30/2016	N
Joel Tutt well sealing	Groundwater	Landowner Fund	match	\$432.50	\$432.50	6/30/2016	Y
Lynn Behr well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Lynn Behr well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
Pete Noding well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/22/2016	N
Pete Noding well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/22/2016	Y
Roger Zins well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Roger Zins well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Scott Olafson well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/15/2016	N
Scott Olafson well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/15/2016	Y
Wayne Spielman well sealing	Groundwater	Current State Grant	2016 - Local Water Management - NRBG (Murray County)	\$375.00	\$375.00	12/22/2016	N
Wayne Spielman well sealing	Groundwater	Landowner Fund	match	\$375.00	\$375.00	12/22/2016	Y

### Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
351 - Well Decommissioning	1	1	1 COUNT	COUNT
351 - Well Decommissioning	24	24	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	25.00	COUNT

## Grant Activity

Grant Activity - 2016 Administration/Coordination			
Description	2016 Administration/Coordination		
Category	ADMINISTRATION/COORDINATION		
Start Date	4-Dec-15	End Date	31-Dec-16
Has Rates and Hours?	No		
Actual Results	<p>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.</p> <p>Zoning Administrator 1 - 33 Hours @ \$42.25 = \$1,394.25            Office Administrator - 10 Hours @ \$25.50 = \$255.00            Zoning Administrator 2 - 265 Hours @ \$44.64 = \$11,829.60            Water Planner - 254 Hours @ \$32.62 = \$8,285.48</p> <p>*** \$8,146.67 FLEXED SPENDING WCA-NRBG 2016 (\$4,073.33 Grant and \$4,073.34 Match)</p>		

Grant Activity - 2016 Ecology Bus			
Description	2016 Ecology Bus gave presentations at two public schools within the County as well as 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 environmental and natural sciences. The Ecology Bus is modeled after a similar bus and program in Sweden.		
Category	EDUCATION/INFORMATION		
Start Date	15-Mar-16	End Date	30-Dec-16
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 for this year's programming was Lake Ecology.		

Grant Activity - 2016 Education/Information			
Description	2016 Education/Information		
Category	EDUCATION/INFORMATION		
Start Date	4-Dec-15	End Date	31-Dec-16
Has Rates and Hours?	No		
Actual Results	2016 Education/Information, 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 half of the 73 wells throughout the County for background levels of coliform, nitrate-nitrite, sulfate, and specific conductance. The data was compiled through the local water plan. See attached for a detailed list of expenditures.		

Grant Activity - 2016 Monitoring/Data Collection			
Description	2016 Monitoring/Data Collection		
Category	MONITORING/DATA COLLECTION		
Start Date	4-Dec-15	End Date	31-Dec-16
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 17 out of 55 pit tiles had water in them and were tested. The samples were delivered to MVTL (Minnesota Valley Testing Laboratories, Inc.) in New Ulm, MN for analyzing. Tests are run for NO3-N, Fecal Coliform, Chloride, Total Dissolved Solids, and NH3. The data was compiled through the Local Water Management Plan. See attached the letter that goes out to all sampling sites. See attached for a detailed list of expenditures.</p> <p>Administrator - 59 HRS. @\$44.64 = \$2,633.76  Director - 10 HRS. @ \$55.06 = \$550.60  Office Admin - 10HRS. @\$25.50 = \$255.00</p>		

Grant Activity - C.R. Setterberg Farm well sealing			
Description	C.R. Setterberg Farm well sealing		
Category	GROUNDWATER		
Start Date	30-Sep-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - C.R. Setterberg Farm 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-Sep-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for C.R. Setterberg Farm well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	Groundwater		

Grant Activity - Craig Nepp well sealing			
Description	Craig Nepp well sealing		
Category	GROUNDWATER		
Start Date	10-Apr-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Craig Nepp well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	10-Apr-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Craig Nepp well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		



Grant Activity - Curtis Reinert well sealing			
Description	Curtis Reinert well sealing		
Category	GROUNDWATER		
Start Date	19-May-16	End Date	08-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Curtis Reinert 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-Jun-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Curtis Reinert well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Dale Bestge well sealing			
Description	Dale Bestge well sealing		
Category	GROUNDWATER		
Start Date	15-Jun-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Dale Bestge well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	15-Jun-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Dale Bestge well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Dorothy Klingenberg well sealing			
Description	Dorothy Klingenberg well sealing		
Category	GROUNDWATER		
Start Date	10-Jun-16	End Date	08-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Dorothy Klingenberg well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	10-Jun-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Dorothy Klingenberg well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Elvin Kruger well sealing			
Description	Elvin Kruger well sealing		
Category	GROUNDWATER		
Start Date	20-Aug-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Elvin Kruger well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	20-Aug-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Elvin Kruger well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Jim Malone well sealing #1			
Description	Jim Malone well sealing #1		
Category	GROUNDWATER		
Start Date	13-Oct-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Jim Malone well sealing #1			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	13-Oct-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Jim Malone well sealing #1			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Jim Malone well sealing #2			
Description	Jim Malone well sealing #2		
Category	GROUNDWATER		
Start Date	13-Oct-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Jim Malone well sealing #2			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	13-Oct-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Jim Malone well sealing #2			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Jim Malone well sealing #3			
Description	Jim Malone well sealing #3		
Category	GROUNDWATER		
Start Date	13-Oct-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Jim Malone well sealing #3			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	13-Oct-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Jim Malone well sealing #3			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Joel Tutt well sealing			
Description	Joel Tutt well sealing		
Category	GROUNDWATER		
Start Date	21-Apr-16	End Date	30-Jun-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Joel Tutt well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	21-Apr-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Joel Tutt well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Lynn Behr well sealing			
Description	Lynn Behr well sealing		
Category	GROUNDWATER		
Start Date	20-May-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Lynn Behr well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	20-May-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Lynn Behr well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Pete Noding well sealing			
Description	Pete Noding well sealing		
Category	GROUNDWATER		
Start Date	28-Sep-16	End Date	22-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Pete Noding well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	28-Sep-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Pete Noding well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		

Grant Activity - Roger Zins well sealing			
Description	Roger Zins well sealing		
Category	GROUNDWATER		
Start Date	10-Jul-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Roger Zins 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	10-Jul-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

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

Grant Activity - Scott Olafson well sealing			
Description	Scott Olafson well sealing		
Category	GROUNDWATER		
Start Date	21-Jul-16	End Date	15-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Scott Olafson well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	21-Jul-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Scott Olafson well sealing			
Indicator Name	PREVENTION	Value	1
Indicator Subcategory/Units	POLLUTION PREVENTION COUNT	Calculation Tool	Other
Waterbody	groundwater		



Grant Activity - Wayne Spielman well sealing			
Description	Wayne Spielman well sealing		
Category	GROUNDWATER		
Start Date	10-Jun-16	End Date	22-Dec-16
Has Rates and Hours?	No		
Actual Results	Well Seal		

Activity Action - Wayne Spielman well sealing			
Practice	351 - Well Decommissioning	Count of Activities	1
Description	Well sealing.		
Proposed Size / Units	1.00 COUNT	Lifespan	In Perpetuity
Actual Size/Units	1.00 COUNT	Installed Date	10-Jun-16
Mapped Activities	1 Point(s)	Technical Assistance Provider	

Final Indicator for Wayne Spielman 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
<b>2016 Administration and Coordination Expenditures</b>	Grant	2016 - Local Water Management - NRBG (Murray County)
<b>2016 Education and Information Detailed Expenditures</b>	Grant	2016 - Local Water Management - NRBG (Murray County)
<b>2016 Land and Water Treatment Detailed Expenditures</b>	Grant	2016 - Local Water Management - NRBG (Murray County)
<b>2016 Local Water Management Financial Report</b>	Grant	2016 - Local Water Management - NRBG (Murray County)
<b>2016 Local Water Management Financial Report</b>	Grant	2016 - Local Water Management - NRBG (Murray County)
<b>2016 Monitoring and Data Collection Detailed Expenditures</b>	Grant	2016 - Local Water Management - NRBG (Murray County)

Document Name	Document Type	Description
<b>2016 Natural Resources Block Grant</b>	Grant Agreement	2016 Natural Resources Block Grant - Murray County
<b>2016 Natural Resources Block Grant executed</b>	Grant Agreement	2016 Natural Resources Block Grant - Murray County