

## 2012 - SSTS Abatement - Big Stone (COUNTY)

### Fund Report

#### Big Stone

#### Fund Information

<u>Fund Name</u>	<u>Fund Year</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
<b>2012 - SSTS Abatement - Big Stone (COUNTY)</b>	2012	\$52,794.17	\$41,265.00	12/11/2012
Starting Balance: \$41,265.00 Fund Number: temp matc				
Balance Remaining: \$0.00				

#### Other funds used with this fund.

2012 ssts landowner match	2012	\$2,665.27	\$2,105.19	12/11/2012
2013 Low-Income SSTS Upgrades - Big Stone (COUNTY)	2013	\$1,290.77	\$1,078.84	12/11/2012
Subtotal:		\$3,956.04	\$3,184.03	
<b>Total:</b>		<b>\$56,750.21</b>	<b>\$44,449.03</b>	

#### Initiatives Summary

Amount spent by initiative type.

#### 2012 - SSTS Abatement - Big Stone (COUNTY)

	<u>Budgeted</u>	<u>Spent</u>
Admin/Coordination	\$200.00	\$200.00
Project Development	\$582.00	\$582.00
Technical and Engineering	\$483.00	\$483.00
Total:	<b>\$1,265.00</b>	<b>\$1,265.00</b>

#### Land & Water Projects Summary

Amount spent on L&W Projects.

	<u>Budgeted</u>	<u>Spent</u>
Total:	<b>\$51,529.17</b>	<b>\$40,000.00</b>

**BMP Summary**

BMP Name	BMPs entered	BMPs installed*	Linear Ft.	Total Acres	Mapped BMPs
Septic System Improvement - 126M	6	6			6
<b>Totals:</b>	<b>6</b>	<b>6</b>			<b>6</b>

\*Note: BMPs entered in eLINK are considered to be "installed on the ground" if an "actual completion date" has been entered for the project.

**Indicator Summary**

Total pollution reduction estimates for all projects by category.

	<u>Value</u>	<u>Unit</u>
<b>-Water Pollution (Reduction Estimates)</b>		
BOD 5 (lbs.) (est. reduction)	1,427.15	Lbs/Yr
Nitrogen (est. reduction)	440.74	Lbs/Yr
Phosphorus (est. reduction)	167.90	Lbs/Yr

***Initiative: 2012 SSTS Abatement Administration***

Year: 2012

Start Date: 03/19/2012

Initiative Type: Admin/Coordination

Completion Date: 12/11/2012

Description

Ronda Maas as Deputy Environmental Officer for Big Stone County will complete all grant administrative requirements, track grant spending and complete all required reporting via E-Link and required website compliance.

Actual Results

Ronda Maas advertised for eligible projects and based on submitted incomes, compiled a list of 4 eligible projects to include on the grant application. Prior to grant approval, one of those 4 projects backed out and elected to use the remaining 2011 SSTS grant funds so they could install a new system before freeze up during the fall of 2011. Ronda Maas then identified an alternative project and contacted the landowner to submit income verification to become an eligible project. After bids were submitted, Ronda realized there would be adequate funding for a 5th project so approval was requested from BWSR. Sewer permits were approved for all 5 projects and conforming systems were installed. Payments were processed for the County to pay the the contractors 95% of the system cost. The remaining 5% is the responsibility of the landowner per contracts signed by the applicants. All 5 projects have been reported via E-Link as required.

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 - SSTS Abatement - Big Stone (COUNTY)	200.00	200.00	10/2/12
<b>Totals:</b>	<b>200.00</b>	<b>200.00</b>	

**Initiative: 2012 ssts project development**

Year: 2012  
Initiative Type: Project Development

Start Date: 04/01/2012  
Completion Date: 12/11/2012

Description

Big Stone County Environmental staff will contact and work with identified landowners to insure successful project outcomes. Big Stone County will mail out a list of MN licensed professionals to the landowners with directions to have them seek two separate bids to upgrade their sewers. A contract/agreement will be prepared by the County and sent out to the homeowner for signature. Upon completion of the project a homeowners manual will be sent out to the landowner with information to educate them on operation and maintenance of their new system.

Actual Results

The Deputy Environmental Officer sent each landowner a list of licensed designers/installers and advised them to obtain two separates estimates to install a conforming SSTS. They were then notified as to which installer was lowest bid and advised to contact the installer to get on their job list. Contracts were also drawn up and sent out for signatures to insure that the landowner's understood their cost share was 5%. The Environmental Officer went out on each of the projects to do soil verifications with the designers prior to installation.

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 - SSTS Abatement - Big Stone (COUNTY)	582.00	582.00	10/2/12
<b>Totals:</b>	<b>582.00</b>	<b>582.00</b>	

**Initiative: 2012 ssts technical & engineering**

Year: 2012  
Initiative Type: Technical and Engineering

Start Date: 04/01/2012  
Completion Date: 12/11/2012

Description

Darren Wilke and Ronda Maas are registered MN SSTS inspectors and the Environmental Office will issue a sewer permit and review the septic design to insure compliance with Code. At the time of the installation, a soil verification will be done and final inspection of the system will be completed. A Certificate of Compliance will then be issued and mailed to the homeowner along with a homeowner's manual.

Actual Results

The Environmental Officer reviewed each of the septic permits submitted by the contractors prior to installation of each of the systems. The Environmental Officer went out to each project site for final inspection of the new system and to verify abandonment of the old system. Certificates of Compliance were issued upon completion of the projects.

<u>FUND(s)</u>	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 - SSTS Abatement - Big Stone (COUNTY)	483.00	483.00	10/2/12
<b>Totals:</b>	<b>483.00</b>	<b>483.00</b>	

**Project: Odessa Twp Replacement Sewer #1**

Project Number: 2012-ssts1  
Primary Cooperator: Jonathan L. Zahn  
Primary Practice: Subsurface Sewage Treatment Systems

Approval Date: 7/27/2012  
Start Date: 09/07/2012  
Completion Date: 09/07/2012

Description

Replace the existing tank and open end pipe distribution system with a conforming tank and soil absorption system designed by a MN licensed Designer to assure that 100% of the household effluent is being treated. Properly abandon the old system as well.

Actual Results

The landowner secured two separate bids from MN licensed designers/installers to replace the failing system. The lowest bidder installed a 1500 gal. two compartment concrete tank with a filter and a 66 foot atgrade. The old sysem was properly abandoned by crushing and filling the old tank. The electrical alarm system was installed after the inspection and related expenses were not part of the original estimate. The homeowner was provided with an O&M and Certificate of Compliance along with a copy of their permit. The landowner is responsible for paying the remaining 5% of the system cost to the installer.

Comments

Eliminated the imminent public health threat and 100% of the contamination entering ground and surface waters in the immediate vicinity.

BMP(s)

1. Septic System Improvement-126M *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)  
BOD 5 (lbs.) (est. reduction) 186.15 Lbs/Yr  
Nitrogen (est. reduction) 57.49 Lbs/Yr  
Phosphorus (est. reduction) 21.90 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 ssts landowner match	515.75	418.41	10/8/12
2. 2012 - SSTS Abatement - Big Stone (COUNTY)	10,000.00	7,949.81	10/8/12
<b>Totals:</b>	<b>10,515.75</b>	<b>8,368.22</b>	

**Project: Odessa Twp Replacement Sewer #2**

Project Number: 2012-ssts2  
 Primary Cooperator: Marlin H. Zahn  
 Primary Practice: Subsurface Sewage Treatment Systems

Approval Date: 7/17/2012  
 Start Date: 08/27/2012  
 Completion Date: 08/27/2012

Description

Replace the existing tank and open end pipe distribution system with a conforming tank and soil absorption system designed by a MN licensed Designer to assure that 100% of the household effluent is being treated. Properly abandon the old system as well.

Actual Results

The landowner secured two separate bids from MN licensed designers/installers to replace the failing system. The lowest bidder installed a 1000 gal concrete GCC tank with filter and 250 feet of H-10 bio-diffuser chambers. The old system was properly abandoned by crushing and filling in the old tank and an O&M was sent to the homeowner as required along with their Certificate of Compliance and a copy of their permit. The landowner is responsible for paying the remaining 5% of the system cost.

Comments

Eliminated the imminent public health threat and 100% of the contaminants entering ground and surface waters in the immediate vicinity.

BMP(s)

1. Septic System Improvement-126M *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)  
 BOD 5 (lbs.) (est. reduction) 248.20 Lbs/Yr  
 Nitrogen (est. reduction) 76.65 Lbs/Yr  
 Phosphorus (est. reduction) 29.20 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 ssts landowner match	515.75	355.45	10/1/12
2. 2012 - SSTS Abatement - Big Stone (COUNTY)	10,000.00	6,754.85	9/21/12
<b>Totals:</b>	<b>10,515.75</b>	<b>7,110.30</b>	

**Project: Otrej Twp Replacement Sewer #1**

Project Number: 2012-ssts3  
Primary Cooperator: Mary A. Nolting  
Primary Practice: Subsurface Sewage Treatment Systems

Approval Date: 7/17/2012  
Start Date: 09/13/2012  
Completion Date: 09/13/2012

Description

Replace the existing tank and open end pipe distribution system with a conforming tank and soil absorption system designed by a MN licensed Designer to assure that 100% of the household effluent is being treated. Properly abandon the old system as well.

Actual Results

The landowner secured two separate bids from MN licensed designers/installers to replace the failing system. The lowest bidder installed 1000 gal. GCC concrete tank with filter and 170 feet of H-10 Bio-diffuser chambers. The old system was properly abandoned by crushing and filling the old tank and an O&M was sent to the landowner as required along with their Certificate of Compliance and a copy of the permit. The landowner is responsible for paying the remainder (5%) of the system cost.

Comments

Eliminated the imminent public health threat and 100% of the contaminants entering ground and surface waters in the immediate vicinity.

BMP(s)

1. Septic System Improvement-126M *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)  
BOD 5 (lbs.) (est. reduction) 186.15 Lbs/Yr  
Nitrogen (est. reduction) 57.49 Lbs/Yr  
Phosphorus (est. reduction) 21.90 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 - SSTS Abatement - Big Stone (COUNTY)	10,000.00	5,572.61	10/5/12
2. 2012 ssts landowner match	515.75	293.29	10/1/12
<b>Totals:</b>	<b>10,515.75</b>	<b>5,865.90</b>	

**Project: Browns Valley Twp. Replacement Sewer #1**

Project Number: 2012-ssts4  
 Primary Cooperator: Timothy J. Kellen  
 Primary Practice: Subsurface Sewage Treatment Systems

Approval Date: 6/11/2012  
 Start Date: 06/06/2012  
 Completion Date: 06/06/2012

Description

Replace the existing tank and open end pipe distribution system with a conforming tank and soil absorption system designed by a MN licensed Designer to assure that 100% of the household effluent is being treated. Properly abandon the old system as well. Note: This project is a new landowner that wasn't part of the original application. The site and landowner meet all eligibility requirements.

Actual Results

The landowner secured two separate bids from MN licensed designers/installers to replace the failing system. The lowest bidder installed a 1000/600 compartmented tank and 200 feet of 36 inch chambers for the drainfield. The old tank was crushed and filled in and the landowner was provided with an O&M along with their Certificate of Compliance. The landowner paid the installer their portion (5%) of the system cost.

Comments

Eliminated the imminent public health threat and contaminants entering ground and surface waters in the immediate vicinity.

BMP(s)

1. Septic System Improvement-126M *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)  
 BOD 5 (lbs.) (est. reduction) 248.20 Lbs/Yr  
 Nitrogen (est. reduction) 76.65 Lbs/Yr  
 Phosphorus (est. reduction) 29.20 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 ssts landowner match	515.75	456.47	7/6/12
2. 2012 - SSTS Abatement - Big Stone (COUNTY)	10,000.00	8,672.86	7/6/12
<b>Totals:</b>	<b>10,515.75</b>	<b>9,129.33</b>	

**Project: Malta Twp Replacement Sewer #1**

Project Number: 2012-ssts5  
 Primary Cooperator: Thomas A. Johnson  
 Primary Practice: Subsurface Sewage Treatment Systems

Approval Date: 8/8/2012  
 Start Date: 08/31/2012  
 Completion Date: 08/31/2012

Description

Replace the existing tank and open end pipe distribution system with a conforming tank and soil absorption system designed by a MN licensed Designer to assure that 100% of the household effluent is being treated. Properly abandon the old system as well.

Actual Results

The landowner secured two separate bids from MN licensed designers/installers to replace the failing system. On 8/31/12 the lowest bidder installed a 2000 gal 2 compartment concrete tank after the existing 1000 gal. tank then constructed a mound for a soil absorption area. The open ended pipe was disconnected from the tank to abandon that portion of the old system. An O&M was sent to the landowner as required along with a copy of the permit and design. The landowner is responsible for 5% of the cost of the system.

Comments

Eliminated the imminent public health threat and 100% of contaminants entering ground and surface waters from the old system.

BMP(s)

1. Septic System Improvement-126M *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)  
 BOD 5 (lbs.) (est. reduction) 310.25 Lbs/Yr  
 Nitrogen (est. reduction) 95.81 Lbs/Yr  
 Phosphorus (est. reduction) 36.50 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 - SSTS Abatement - Big Stone (COUNTY)	9,586.00	9,106.70	9/5/12
2. 2012 ssts landowner match	500.00	479.30	10/1/12
<b>Totals:</b>	<b>10,086.00</b>	<b>9,586.00</b>	



**Project: Odessa Twp SSTS #3**

Project Number: 2012-ssts6  
Primary Cooperator: Earl Holgerson  
Primary Practice: Subsurface Sewage Treatment Systems

Approval Date: 10/17/2012  
Start Date: 11/14/2012  
Completion Date: 12/14/2012

Description

Replace a collapsed metal tank with a 1600 gallon concrete 2 compartment tank to be used as a holding tank. The old tank will be pumped, crushed and filled with sand to abandon it.

Actual Results

The homeowner solicited bids from two separate MN licensed professionals to install a 1600 gallon holding tank and abandon the existing system. The lowest bidder did install a 1600 gallon tank with float alarm system and crushed and filled the old metal tank. An O&M was sent to the homeowner along with a copy of the permit and Certificate of Compliance. There was not enough 2012 grant money left to fund the entire project but homeowner was approved to use 2013 grant for balance due after he pays 5% of 2012 funding used for project.

Comments

Eliminated imminent public health threat and 100% of the contamination entering the ground and surface waters in the immediate vicinity.

BMP(s)

1. Septic System Improvement-126M *Mapped = Yes*

POLLUTION REDUCTION ESTIMATE(s)

-Water Pollution (Reduction Estimates)	
BOD 5 (lbs.) (est. reduction)	248.20 Lbs/Yr
Nitrogen (est. reduction)	76.65 Lbs/Yr
Phosphorus (est. reduction)	29.20 Lbs/Yr

FUND(s)

	<u>Budgeted</u>	<u>Spent</u>	<u>Date Last Spent</u>
1. 2012 ssts landowner match	102.27	102.27	12/11/12
2. 2013 Low-Income SSTS Upgrades - Big Stone (COUNTY)	1,290.77	1,078.84	12/11/12
3. 2012 - SSTS Abatement - Big Stone (COUNTY)	1,943.17	1,943.17	12/11/12
<b>Totals:</b>	<b>3,336.21</b>	<b>3,124.28</b>	

End of 2012 - SSTS Abatement - Big Stone (COUNTY) Section

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