

May 11, 2015



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Mr. Alan Anderson
Enforcement Analyst
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118

Re: Measures to Address Sanitary Sewer Overflows (SSO's)

Dear Mr. Anderson,

Per our phone conversation on May 1, 2015, I have attached a list of budget items to address SSO's in Siloam Springs. In addition to the list, below is a recap some of the items discussed on the phone that are either scheduled or underway for 2015.

- On the attached sheet that shows budgeted amounts for sewer-related activities is one called basin 5. This is one of the larger sewer basins in the city. Sewer replacement in this basin is in two phases. Phase 1 involves replacement of approximately 3,900 feet of sewer main that ranges from eight to fifteen-inches in diameter and is currently underway. Phase 1 also includes approximately 18 new manholes. Phase 2 is scheduled for 2016 and will replace approximately 2,760 feet of 8-inch sewer line manholes will be included in this phase as well, though a number is not yet known as it is in design.
- Grease control product has been purchased from Dukes Root Control for use in those areas that had been prone to grease accumulation in the past. The product is added to the water tank on the jetting machine and emulsifies the grease on the sewer line.
- Our budget line item for contracted services was increased by \$30,000 to contract for televising sewer lines. The intent is to continue this process annually to generate a library that will allow us to prioritize sewer line repair or replacement.
- Two additional staff members were added to the Water Services Department which allows for four teams of two people. One team is dedicated to preventative maintenance (PM) on sewer lines. This includes not only cleaning sewer lines but also manhole condition assessment and grease treatment.
- A handheld GPS unit will be bid for purchase in May to identify manhole locations for use in mapping. The data will be collected by the PM crew.



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- A new department was created in 2014 and is called the Transportation and Infrastructure (T & I) Department. The department is essentially a construction crew who are dedicated to water and sewer line replacement along with street improvements.
- Flow monitoring devices are continually used in order to collect data during both dry weather and wet weather periods. Flow monitoring was a large part of choosing basin 5 as a starting point for sewer line replacement. Currently the flow monitoring is in a sewer basin adjacent to basin 5.
- Sewer root control is a line item added to the 2015 budget so that we may contract root treatment annually as opposed to considering it as a capital improvement item.
- Our Engineering Department will be working on a wastewater master plan later this year. One of the items in the master plan will utilize flow monitoring and GPS data to determine adequate line sizing and potential for new interceptor or trunk lines. An improved sewer map will also be generated.

As we discussed, sewer line maintenance and repair will be a continual process but I foresee our city getting to a point where we will have noticeable reduction in wet weather flows. As long as we can maintain the aggressive stance we currently have, I anticipate a measurable reduction in wet weather flows within five years.

I hope you will find that there has been, and continues to be, progress made toward eliminating SSO's. I would value your input if you have seen another city try something that had a great deal of success to get ideas on how we can improve even further. My phone number and email address are below.

Sincerely,

Steve Gorszcyk

Water/Wastewater Manager

(479) 238-0935

sgorszcyk@siloamsprings.com

2011 Budget

\$467,697 – Total revised operating budget for the Wastewater Service Department

\$21,183 - Sewer inspection camera

\$45,700 - New Hospital sewer main extension

2012 Budget

\$769,046 – Total revised operating budget for Wastewater Service Department

\$14,800 - Portable emergency pump

\$11,340 - CIP-Baptist Assembly lift station pump replacement

\$11,649 - Kenwood Street sewer line replacement (Basin 5)

\$13,000 - CIP-Lowes sewer extension

\$4,390 - Effluent Flow meter

\$5,706 - Effluent Flow Proportional Sampler

\$100,000 - CIP- I&I improvements

\$35,819 - CIP RLF improvements

\$46,930 – Rehab to 27 manholes

2013 Budget

\$792,695 - Total revised operating budget for Wastewater Service Department

\$1,825 - Kenwood Street sewer replacement (Basin 5)

\$7,814 - CIP-Lowes sewer extension

\$5,880 - Influent sampler

\$17,930 - CIP-I&I repairs

\$14,144 - Flow monitoring equipment

2014 Budget

\$1,056,263 – Total revised operating budget for Wastewater Service Department

\$9,510 - Meadowbrook Addition sewer extension

\$188,600 - Track hoe purchase

\$145,244 - Loader purchase

\$12,000 - Aluminum trench shield

\$10,000 - ICS saw

\$150,000 - 4X4 backhoe purchase

2015 requested budget

\$1,038,204 - Total operating budget for Wastewater Service Department

\$30,000 dedicated to Sewer Line Root Control

\$431,824 - Basin 5 sewer line replacement

\$40,000 - Cheri Whitlock utility relocate for upcoming railroad overpass project

\$18,000 - Sanitary Sewer Master Plan
\$57,000 - Crawler for camera system
\$12,460 - Handheld GPS unit

2016 projected budget

\$1,056,263 - Total operating budget for Wastewater Service
\$30,000 dedicated to Sewer Line Root Control
\$400,000 - Basin 5 sanitary sewer replacement (phase 2)
\$234,000 - Kenwood Street (Holly-Carl) sewer main replacement
\$140,000 - Jan Lynn Street (Elm-End) sewer main replacement
\$175,000 - Wastewater Master Plan
\$75,000 - Baptist Assembly lift station improvements
\$325,000 - Combination Vacuum/jet truck
\$6000 - Trash pump replacement

2017 projected budget

\$1,077,239 - Total operating budget for Wastewater Service Department
\$30,000 dedicated to Sewer Line Root Control
\$117,810 - W. Eliff Street (Elm-Mt. Olive) sewer main replacement
\$363,000 - Kenwood Street (412-Lincoln) sewer main replacement
\$50,000 - South Mt. Olive Street lift station improvements
\$750,000 - Wastewater reuse project (purple pipe)
\$150,000 - Backhoe replacement
\$25,000 - Replacement of van (camera van)



P.O. Box 80
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05/12/2015

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5301 Northshore Drive
North Little Rock, AR 72118

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