



**Water, Sewer, and Solid Waste Committee**

**11 January 2022**

**5:30 P.M.**

(Or immediately following City Council Agenda Session)

**This is a Virtual Meeting**

**Committee:** Council Member Sloan Scroggin, Council Member Teresa Turk, Council Member D'Andre Jones,

**Copy to:** Mayor Lioneld Jordan, Paul Becker, Kara Paxton, Susan Norton, Chris Brown, Alan Pugh, Terry Gulley, Peter Nierengarten, Jeff Coles, Brian Pugh, Andrea Foren, Mark Rogers, Corey Granderson, Aaron Watkins, Greg Weeks, Monty Sedlak, Shannon Jones

**From:** Tim Nyander, Utilities Director

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**CALL TO ORDER**

**ROLL CALL**

**UPDATES**

**OLD BUSINESS:**

**NEW BUSINESS:**

**1. Temporary Drying Solution at BMS**

The biosolids dryer suffered a catastrophic failure on December 13, 2021. The dryer suffered an explosion at the bearing housing like the failure experienced on September 11, 2021. The second failure was more damaging. We are waiting for the manufacturer's representative to come to the site to evaluate the damage.

Given the number of breakdowns the existing dryer has experienced, and the safety hazard associated with any explosion, the Department is not heavily considering repairing the unit. For that reason, we are looking into a temporary drying option until a permanent solution can be selected.

We have been in contact with a company that has offered a short-term solution to drying that is a less expensive alternative to sending our solids to the local landfill. This process will be discussed. The City and the drying contractor are writing a Letter of Intent for consideration. The Letter of Intent will be discussed.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

**2. Budget Adjustment for Landfill Tipping Fees**

As we consider temporary drying options for the Biosolids Management Site, we will have no choice at this time but to take our partially dried biosolids to the landfill. On average, the Biosolids Management Site produces 1,321 dry tons of partially dried solids per month. We will discuss the funding we will need for this temporary solution.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

**3. 2022 Cured In Place Pipe Sewer Rehab. – Insituform Technologies**

Staff recommends approval of a one-year extension of the contract with Insituform Technologies, Inc., as amended by Resolutions 144-18 and 81-19, in an amount not to exceed \$528,693.55 for City of Fayetteville sewer rehabilitation in 2022 using cured-in-place sanitary sewer linings.

On March 7, 2018, the City of Fayetteville accepted sealed competitive bids for sanitary sewer main line and service lateral lining services. Insituform Technologies, Inc. submitted the lowest bid (Resolution 84-18, Bid #18-22). The bid schedule includes unit pricing for various items of work to complete the annual rehabilitation program.

Direct contracting with Insituform Technologies, Inc. allows the City to execute its sanitary sewer rehabilitation program efficiently. Pipes being repaired with liners under this contract are either identified through normal City maintenance operations or by consultants during Sanitary Sewer Evaluation Studies (i.e., Smoke Testing). Engineering and administrative costs are minimized as these services are handled by city staff. This work is an integral part of the City's ongoing program to maintain its sewer system in the most long-term yet cost effective fashion, with cured-in-place linings being by far the lowest cost strategy for applications where it is appropriate. 2022 will be the 5<sup>th</sup> and final year of a 5-year renewable contract with Insituform. The project will need to be publicly bid again in 2023. Funds are available for this project in the Sanitary Sewer Rehabilitation account.

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR CONSIDERATION FOR APPROVAL**

**4. Wastewater Collection System Master Plan Update**

On June 12, 2018, the City of Fayetteville formally selected RJN Group, Inc. via RFQ 18-01 to perform routine updates and analyses of the City's Wastewater Collection System Master Plan. Staff has worked with RJN to verify the accuracy of the hydraulic model and re-asses changes in service area due to population and development increases. The Arkansas Department of Health, and industry best practices, recommend updating master plans every 5-years for systems like Fayetteville experiencing significant change and growth. The last update to this plan was completed in 2014.

A wastewater hydraulic model is only accurate when field-verified and calibrated using both dry and wet-weather flow monitoring (measuring the actual flow in the pipes). A large portion of the effort in this model update was placing and maintaining flow monitors in strategic locations throughout the City in the Spring of 2020. The model was also updated to include all changes and additions in the wastewater system due to new developments and capital improvement projects. RJN Group will present the findings and recommendations of the updated plan.

## **INFORMATION ONLY**

### **5. Overview of WWTP Monthly Report**

Discussion of November's Monthly WWTP Report

## **PRESENTATIONS**

### **ATTACHMENTS**

Landfilling/Drying Cost Comparison

Wastewater Collection System Master Plan Update Presentation

November WWTP Monthly Report

### **ADJOURN**

Next Water, Sewer, Solid Waste Committee meets on  
Tuesday, February 8, 2022, at 5:30 p.m.