

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

**September 9, 2014**

5:30 p.m. (or immediately after City Council Agenda Session)

City Hall – Room 326

Committee: Chairman Mark Kinion; Aldermen Sarah Marsh, Martin Schoppmeyer, Alan Long

Copy to: Mayor Lioneld Jordan; Sondra Smith, Don Marr, Paul Becker, Lindsley Smith, Jeremy Pate, Chris Brown, Lynn Hyke, Peggy Bell, CH2M Hill, Brian Pugh, Jeff Coles

From: Tim Nyander, Interim Director for Water & Sewer Functions

1. **Call to Order**
2. **Roll Call**
3. **Approval of Minutes**
4. **Approval of Meeting Agenda**
5. **Old Business**

**a. Lake Sequoyah Sediment Removal Project**

Previous discussions and verbal agreements between the land owner along Highway 16 East where the new discharge line from the sediment removal project will need to be placed, as well as City staff from Parks, Engineering, the City Land Agents, and the City Attorney office have culminated in a Council-approved land swap and easement acquisition for this project. The land swap of approximately equal parcels will allow correction of some long standing issues that affect both the current land owner's residence and our proposed sedimentation basin construction areas, while the easement will allow a much less complicated installation of the pipeline we need. The installation of this pipeline is expected to commence in the near future.

**b. Ozone Project**

Having completed the design and development of specifications for equipment and installation, staff recommends approval of a bid waiver with BlueInGreen, LLC of Fayetteville, AR to purchase ozone disinfection system equipment to replace the existing ultraviolet light disinfection system equipment in the amount of \$1,780,825, inclusive of performance surety. Pursuing this course of action will provide assurance of obtaining a system that has been proven to work at the City's treatment plant and will remove a large degree of uncertainty from potential installation contractors, thus resulting in a significant savings to the City. This system is unique and protected by various patents and pending patents, which makes bidding for procurement of the equipment neither practical nor feasible. A draft Council Memo, Pricing Assurance Memo from BlueInGreen LLC and ozone disinfection specifications and some general

drawings are attached for your review. Staff requests approval from the committee to forward this item to the full council for approval at the October 7, 2014 meeting.

### **c. White River Use Attainability Analysis (UAA)**

ADEQ has provided preliminary calculations for minerals for the Noland plant permit of 72 mg/L chloride, 72 mg/L sulfate, and 467 mg/L TDS. Based on the last year of routine monthly analyses, the Noland plant discharge would have violated the proposed sulfate level 9 times. This does not appear to be an acceptable situation for the City and would ultimately likely result in enforcement action from ADEQ. We are continuing to discuss potential alternatives and hope to reach consensus on a potential path forward in the next month or two. A similar though not directly related issue has arisen which also affects the potential future discharge from the Noland facility. ADEQ held a meeting in Springdale to open a dialogue with interested parties regarding potential nutrient (nitrogen and phosphorus) limits in Extraordinary Resource Waters in Arkansas as well as in Beaver Lake. The discussion regarding Beaver Lake is of particular interest and could ultimately result in much more stringent nutrient limits for point sources within the Beaver Lake watershed. We propose to have a presentation to the full council at the October 14<sup>th</sup> Agenda Session pertaining to these issues delivered by Steve Miller of CH2M HILL (a water quality expert who has been assisting with the UAA process for several years). We also propose to hear a presentation from Dr. Thad Scott of the University of Arkansas at the next Water-Sewer-Solid Waste Committee meeting, also on October 14<sup>th</sup>, to address storm water flows and related issues in the West Fork of the White River watershed, which is significantly impacted the stormwater runoff from the City of Fayetteville. This work was originally commissioned by the Beaver Watershed Alliance, which the City provides some support for on an annual basis. The Beaver Watershed Alliance has also developed plans to use Dr. Scott and a fellow water-quality related professor, Dr. Brian Haggard, to address the nutrient limits for Beaver Lake as mentioned above. Staff would like to propose that the City utilize some portion of existing water-quality related funding to support that effort.

## **1. New Business**

### **a. Maple Street W/S**

Maple Street from Garland Avenue to razorback Road is AHTD State Highway 112. Razorback Road from Maple to Martin Luther King (and south) is also AHTD State Highway 112. Razorback Rd – Garland Avenue (HWY 112) water and sewer relocations are required to allow the 2015 widening of Maple Street and Razorback Road (AHTD Job 040582) and these relocations need to be completed within an extremely short time frame to comply with existing federal funding and AHTD schedules. AHTD generally reimburses utility owners for relocating lines currently existing outside of the existing ROW, and the owner pays for lines that are currently inside the ROW and any increases in capacity. The existing water and sanitary sewer are within the AHTD existing ROW and thus this project (water and sewer relocations) is City funded and not eligible for reimbursement. This construction project has been advertised and will open later in September, but needs to be considered by the entire Council at the first meeting in October to allow the project to remain on schedule. Staff requests approval from the committee to forward this item to the full council for approval at the October 7, 2014 meeting pending successful completion of the bidding process.

**b. Ramsey & Overcrest**

The Ramsey and Overcrest Sanitary Sewer Rehabilitation project is an approved 2015 CIP project to address remaining known sanitary sewer overflows (SSOs). The City of Fayetteville has historically, and through the WSIP, done a good job at reducing and eliminating SSOs and this project will continue that process and eliminate one of the few remaining routine overflows. Staff requests to design the project in Fall/Winter 2014 to allow construction to begin earlier in 2015 (estimated to begin May, 2015). The project includes an estimated 6,843 linear feet of 15 inch diameter sewer pipe construction. McClelland Consulting Engineers was selected for this project through the City's formal section procedure and purchasing requirements, and the scope of work and the proposed fee have been reviewed and negotiated by Utilities and Engineering. The proposed Professional Engineering Services Contract with McClelland Consulting Engineers is Not to Exceed \$228,644.00. Staff requests approval from the committee to forward this item to the full council for approval at the October 7, 2014 meeting.

**2. Reports**

**a. Capital Project Update**

<b>Number</b>	<b>Project Description</b>	<b>Contractor</b>	<b>Cost</b>	<b>% Complete</b>
1	Greenland Gravity Sewer Improvements	Forsgren, Inc.	\$1,242,968.30	14%
2	SE Fayetteville/Elkins Outfall CIPP Part 2	Suncoast Infrastructure	\$76,995.00	99%
3	White River Streambank Restoration	Design WCRC	\$ 577,221	In Design ETA 2015
4	Swr Rehab-Cured in Place Pipe City Wide	Insituform	\$ 330,000	20%
5	South Mountain Pump Station Rehab	Design/Const In-House	\$ 200,000	75%
6	Water Transmission Line Easements	McClelland Engrs	Prelim Surveys	Completed

**8. Presentations**

**3. Attachments**

- Noland Ozone Draft memo
- Maple Street W/S Relocation Draft memo
- Ramsey and Overcrest Sanitary Sewer Draft memo

**4. Adjourn**

Next Water, Sewer, Solid Waste Committee meets on Tuesday, October 14, 2014, 5:30 p.m., room 326