

**Joshua Hickey (adpce.ad)**

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**From:** Tim Verner P.E. <tverner@fisherarnold.com>  
**Sent:** Wednesday, June 28, 2023 2:13 PM  
**To:** Joshua Hickey (adpce.ad)  
**Cc:** Ward Wimbish; Paul Holloway; Denise Bosnick  
**Subject:** West Memphis Utilities; AR0022039, AFIN 18-00879  
**Attachments:** ADEQ CAP Activities Summary (June 2023).pdf; February 2023 CAP Meeting.pdf; March 2023 CAP Meeting.pdf; May 2023 CAP Meeting.pdf; June 2023 CAP Meeting.pdf

Joshua:

As required by the CAO referenced above, please find attached the City of West Memphis' semi-annual Report detailing activities undertaken since the first of the year pursuant to the fulfillment of the approved CAP and CAO. As always, if you have any questions at all, please do not hesitate to contact me at this office.

V/R,

*Tim Verner, PE*  
*Senior Vice President*

**FISHER ARNOLD**

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# FISHER ARNOLD

ENGINEERS | ARCHITECTS | CONSULTANTS | PLANNERS

June 27, 2023

Mr. Joshua Hickey  
Office of Water Quality  
Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118-5317

**RE: UPDATE ON ACTIVITIES FOR CORRECTIVE ACTION PLAN  
WEST MEMPHIS UTILITIES  
NPDES PERMIT NUMBER AR0022039, AFIN 18-00879**

Dear Mr. Hickey:

On behalf of West Memphis Utilities (WMU), please accept the following as an update of activities undertaken since our last update in June 2022. As outlined in WMU's Amended CAP, WMU outlined a plan of action through June 2023. Listed below is a capsule summary of those activities either completed or underway since the CAP was implemented.

1. WMU continues to meet regularly with their CAP Working Group. Members of this group include Ward Wimbish, General Manager WMU; Denise Bosnick, Director of Environmental Quality, WMU; and Paul Holloway, WWTP Manager, WMU. Also included in these monthly meetings as necessary are Tim Verner, P.E., and Chase Carpenter, Fisher & Arnold, and Mac Compton, P.E., RJN Group. This group directs and tracks on-going efforts by WMU staff and all outside consultants and contractors relative to efforts towards the elimination of systemwide SSOs.
2. Argo Construction has completed the installation of the common force main and awaits delivery of Pump Station 3 that has been delayed due to the availability of computer chips for its control panel. The current delivery date for this unit is August 28, 2023. Once delivered, Argo will then be able to install this station, along with Pump Station 4 and make the new system operable. Expected substantial completion is now October 2023.

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3. Since our last semiannual report in December 2022, WWTF staff has reported two bypass events totaling approximately 35 million gallons. Additionally, since January 1, 20023, there has been 18 reported sanitary sewer overflows through June 1, 2023.
4. Bids were received by WMU for the WWTP Expansion on June 21, 2023. Two bids were submitted: one from Max Foote Construction Company, LLC, at \$43,123,000.00, and the other from Chris-Hill Construction Company, LLC, at \$62,040,000.00. Currently, the bids have been reviewed and the Engineer has made a recommendation to WMU to award this project to Max Foote in the amount referenced above. It is noted, however, that additional funding will be required to fully fund this Project. It is also noted that due to the long delivery time required for much of the equipment, and the impact the level of the Mississippi River has on excavations adjacent to the levee where the plant is located, an extended construction period of 28 months will be required to see substantial completion of this Project. An award is expected in August 2023.
5. Between the period of December 1, 2022, and June 26, 2023, WMU has invested an additional \$1,484,245.01 in the planning, engineering, replacement, and/or repair of their sewer collection and treatment systems. Of this total, \$1,433,347.22 has been for actual rehabilitation, replacement, or upgrades of existing infrastructure. The remainder has been for advance planning studies and/or design of sewer infrastructure repairs, rehabilitation, or replacement.
6. WMU's contractor has completed thirty-six of the forty-four-point repairs to existing sewer mains and laterals with an expected completion date of late August 2023. The completion of these repairs will then allow WMU to move forward with the commencement of CIPP of existing gravity sewer mains identified in previous SSES Reports prepared by RJN. This CIPP work is planned to commence late 2023.
7. WMU is planning to commence 60 to 75 days of post-rehabilitation flow monitoring after the completion of the work to Pump Stations 3 and 4, and the scheduled CIPP work referenced above. With the delay in the completion of the point repairs and the PS3/PS4 with Common Force Mian project, the post-rehabilitation flow monitoring is expected to be delayed until Summer 2024.

Mr. Joshua Hickey  
June 27, 2023  
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8. With the contract for the construction of the WWTP Expansion project anticipated to be awarded in August 2023, and the required construction time estimated to be 28 months, it is clear that WMU will be unable to meet the December 31, 2023 deadline outlined in the CAO. Since this CAO was entered, WMU has steadily made progress towards the completion of those items outlined in the approved CAP. However, challenges outside WMU's direct control have made the completion of these efforts by this date impossible. As such WMU will be in contact with ADEQ to begin the process of requesting an extension to this deadline.

Hopefully, this summary of activities is useful to you and your staff and demonstrates the commitment of WMU to eliminate SSOs in their collection system and WWTP bypasses. If you require any additional information, please do not hesitate to contact me at this office.

Sincerely,

**FISHER & ARNOLD, INC.**



Tim Verner, P.E.  
Senior Vice-President

TV/tv

Enclosures

Cc: Ward Wimbish, PE, General Manager, WMU





## **WEST MEMPHIS UTILITY COMMISSION**

604 East Cooper

Phone: 870-735-3355

West Memphis, AR 72301

### **MONTHLY CAP MEETING**

**February 10, 2023**

Attending this meeting was Todd Pedersen, Ward Wimbish, Paul Holloway, Denise Bosnick, Mac Compton, and Tim Verner.

#### **MEETING AGENDA:**

##### **1. Review Meeting Minutes**

- a. The January meeting was cancelled due to inclement weather.

##### **2. PS 3/PS4 and Common Force Main Extension**

- T. Verner stated that the contractor (Argo Construction) has installed approximately 7,900 LF of 14-inch force main since December 1 and has received the PS4 pump and controls equipment. With decent weather, the contractor hopes to have all line across the unimproved fields completed by March 1 and then move work to Lehr Street and along the bayou.

##### **3. WWTF Modifications**

- With ADEQ/ADH approval secured, an April 5<sup>th</sup> target date for the opening of bids is being discussed.

##### **4. 2022 Flow Monitoring**

- Post rehab flow monitoring will be delayed until the completion of PS3/PS4-Common Force Main and CIPP work.

##### **5. 2022 Sewer Main Rehab.**

- a. Point Repair: The contractor has completed 24 of 42 point repairs with the remainder to be completed in late spring, weather permitting.

b. CIPP Rehab: Delayed until late spring after point repairs are completed.

**6. Confirm Next Meeting date**

- Next CAP meeting will be March 8, 2023.



## **WEST MEMPHIS UTILITY COMMISSION**

604 East Cooper

Phone: 870-735-3355

West Memphis, AR 72301

### **MONTHLY CAP MEETING**

**March 8, 2023**

Attending this meeting was Ward Wimbish, Paul Holloway, Denise Bosnick, Peyton Smith and Tim Verner.

#### **MEETING AGENDA:**

##### **1. Review Meeting Minutes**

- a. The February meeting minutes were reviewed and approved.

##### **2. PS 3/PS4 and Common Force Main Extension**

- T. Verner stated that Argo Construction has installed only 1,000 feet of 14-inch force main due to having to address an emergency project for another client.

##### **3. WWTF Modifications**

- It has been determined that the project will be advertised on April 23, 2023, with a bid date of May 31, 2023.

##### **4. 2022 Flow Monitoring**

- Post rehab flow monitoring will be delayed until the completion of PS3/PS4-Common Force Main and CIPP work.

##### **5. 2022 Sewer Main Rehab.**

- a. Point Repair: The contractor has been unable to complete any additional point repairs this month but is expected to resume progress towards their completion in the coming 60 days.
- b. CIPP Rehab: Delayed until early summer after point repairs are completed.

##### **6. Confirm Next Meeting date**

- Next CAP meeting will be April 13, 2023.



## **WEST MEMPHIS UTILITY COMMISSION**

604 East Cooper

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West Memphis, AR 72301

### **MONTHLY CAP MEETING**

**May 10, 2023**

Attendees present included Ward Wimbish, Paul Holloway, Denise Bosnick, Layne Harris (FA), Andy Maybee (FA), and Tim Verner (FA).

#### **MEETING AGENDA:**

##### **1. Review Meeting Minutes**

- a. The minutes from the March 8, 2023 CAP meeting were approved. The April 13, 2023 CAP meeting was canceled due to unexpected conflicts in schedules.

##### **2. PS 3/PS4 and Common Force Main Extension**

- The contractor has installed the directional bore under 10-Mile Bayou near PS3 and continues to work in Lehr Street. PS4 materials have been received, but still waiting on a delivery confirmation for PS3.

##### **3. WWTF Modifications**

- The Project has been advertised and plans distributed to multiple general contractors and vendors. A mandatory Pre Bid meeting is scheduled for May 10, 2023. Bids are scheduled to be opened on May 31, 2023, barring a need to delay for issuance of addendum(s).

##### **4. 2022 Flow Monitoring**

- Delayed until after completion of PS3/PS4-Common Force Main project and CIPP.

##### **5. 2022 Sewer Main Rehab.**



- a. Point Repair: Contractor has completed approximately 75% of the scheduled point repairs.
- b. CIPP Rehab: City is contemplating the development of bid set for advertisement after completion of required point repairs.

## **6. Other Items**

- WMU requested that FA review/develop local limits determination for industrial dischargers. Will utilize Dr. Larry Moore for this effort and he will work with P. Holloway and D. Bosnick in this effort.
- Discussion of the commencement of looking at schematic level design efforts for PS10. This work will begin after PS3/PS4-Common Force Main is complete.
- FA requested to develop a rehabilitation plan for PS7.

## **7. Confirm Next Meeting date**

- Next meeting scheduled for June 21, 2023



## **WEST MEMPHIS UTILITY COMMISSION**

604 East Cooper

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West Memphis, AR 72301

### **MONTHLY CAP MEETING**

**June 21, 2023**

Attending this meeting is Ward Wimbish, Paul Holloway, Denise Bosnick, Tim Verner, and Layne Harris.

#### **MEETING AGENDA:**

##### **1. Review Meeting Minutes**

- a. Last Month's CAP Meeting minutes from May 10, 2023 were reviewed and approved.

##### **2. PS 3/PS4 and Common Force Main Extension**

- T. Verner stated that he was alerted by ARGO Construction that there is a further delay of PS 3's shipment due to a manufacturer's issue with the receipt of the control panel that has not yet been completed. New expected delivery is now August 28, 2023. Verner will request a new completion schedule form the contractor.

##### **3. WWTF Modifications**

- Bids were opened immediately prior to the commencement of cap meeting. Two bids were submitted with lowest from Max Foote Construction at \$43,123,000 and the second from Chris-Hill Construction at \$62,040,000. T. Verner will review the bids and provide a recommendation to WMU for presentation to the Commission at their July 13, 2023 meeting.

##### **4. 2022 Flow Monitoring**

- Post rehab flow monitoring will be delayed until the completion of PS3/PS4-Common Force Main and CIPP work. Anticipated time to conduct will be after 1<sup>st</sup> quarter 2024.

**5. 2022 Sewer Main Rehab.**

- a. Point Repair: The contractor has completed all but 8 point repairs with these scheduled to be completed by July 21, 2023.
- b. CIPP Rehab: Bid packages for all recommended CIPP work are to be completed by Fisher & Arnold by end of August with a targeted bid date of September 2023.

**6. Confirm Next Meeting date**

- Next CAP meeting will be July 27, 2023. Verner will send out invite to all participants.