

Joshua Hickey (adpce.ad)

From: Tim Verner P.E. <tverner@fisherarnold.com>
Sent: Wednesday, December 21, 2022 4:53 PM
To: Joshua Hickey (adpce.ad)
Cc: Todd Pedersen
Subject: West Memphis Utilities - AR0022039
Attachments: CAP Meeting # 49.pdf; CAP Meeting # 45.pdf; CAP Meeting # 46.pdf; CAP Meeting # 47.pdf; CAP Meeting # 48.pdf; ADEQ Semi Annual CAP Activities Report December 2022.pdf

Joshua:

On behalf of WMU, please find attached a copy of their semiannual report of activities since June 2022 as required by the current Consent Order. You will also find attached minutes of each of their monthly meetings.

As always, if you have any questions concerning this Report, or WMU's efforts towards the resolution of this CAO, 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

December 19, 2022

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 December 2023. Listed below is a capsule summary of those activities either completed or underway since the CAP was implemented.

1. WMU continues to meet monthly with their CAP Working Group. Members of this group include Todd Pedersen, General Manager WMU; Ward Wimbish, Asst. General Manager, WMU; all engineers with 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 continues with the installation of a new common force main to convey sewage from Pump Stations 3 and 4. They are approximately 40% complete with this work and will soon begin the reconstruction/replacement of each of these pumping stations. This project has a Substantial Completion date of July 1, 2023.

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3. Since our last semiannual report in June 2022, WWTF staff has not had any reported plant bypasses. Additionally, since June 2022, there has been one reported sanitary sewer overflow in October.
4. Approval of the modifications to the WWTF expansion have been obtained by ADH and ADEQ with final Permit modifications currently in the Public Review period. It is anticipated that WMU will move forward with the advertisement for bids on this work in early 2023.
5. Between the period of June 25, 2022, and November 30, 2022, WMU has invested an additional \$1,531,419.73 in the planning, engineering, replacement, and/or repair of their sewer collection and treatment systems. Of this total, \$1,460,527.72 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 twenty-three of the forty-four-point repairs to existing sewer mains and laterals with an expected completion date of late February 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 first quarter 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.

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.



Mr. Joshua Hickey
December 19, 2022
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Sincerely,

FISHER & ARNOLD, INC.



Tim Verner, P.E.
Senior Vice-President

TV/tv

Enclosures

Cc: Todd Pedersen, General Manager, WMU





WEST MEMPHIS UTILITY COMMISSION

604 East Cooper

Phone: 870-735-3355

West Memphis, AR 72301

CAP MEETING (June 8, 2022)

Attendees Onsite:

- **WMUC-** Ward Wimbish, Paul Holloway, AJ Elhaj, Denise Bosnick
- **F&A-** Tim Verner

Conference Call:

- **RJN-** Mac Compton

Project Members:

- **W.M.U.C.-** Todd Pedersen, Ward Wimbish, Paul Holloway, AJ Elhaj
- **F&A-** Tim Verner, Chase Carpenter
- **RJN-** Mac Compton, Stephen Jeffus, Colton Bryant

The Following Actions were discussed:

A. REVIEW MEETING MINUTES

- Everyone agreed to the last meeting minutes.

B. COMMON FORCE MAIN EXTENSION & PUMP STATIONS

- Elhaj stated that WMU issued a PO number for the pipe material on June 8, 2022.
- Verner stated the electrical drawings did not show an emergency generator port, the port will be an additional cost. WMU agreed to add the generator port for pump stations 3 and 4.
- Verner stated the next step for the contractor would be scheduling a site visit to boring sites.
- Verner stated that Argo Construction has not submitted the pump station 3 submittal.

C. WWTF MODIFICATION

- Verner stated that FA has received another letter with comments from the health department. Some of the comments noted the water and wastewater need to have minimum separation.
- Verner stated that FA is still waiting on ADEQ to come back to schedule an internal meeting on what the permit going to be before they send it to EPA.



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D. 2022 FLOW MONITORING

- Compton suggested that the flow monitoring study needs to be done altogether because of flow from pump stations 3 and 4 and the new force main that will be complete in the spring. Suggested to do it during the spring season.

E. 2022 SEWER MAIN REHAB.

- Elhaj stated that the notice to proceed has been issued to Water & Wastewater Services on June 7, 2022.
- Elhaj stated the 2022 sanitary sewer point repairs will be complete in early December. The point repair includes 42 locations and two laterals.
- Elhaj stated that WMU has identified sewer mains that need to be cured in place pipe. The next step will be putting bid package together.



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West Memphis, AR 72301

CAP MEETING (July 12, 2022)

Attendees Onsite:

- **WMUC-** Todd Pedersen, Ward Wimbish, Paul Holloway, AJ Elhaj, Denise Bosnick, Jaden Guiltner, Stewart Kerby
- **F&A-** Tim Verner

Conference Call:

- **RJN-** Mac Compton

Project Members:

- **W.M.U.C.-** Todd Pedersen, Ward Wimbish, Paul Holloway, AJ Elhaj
- **F&A-** Tim Verner, Chase Carpenter
- **RJN-** Mac Compton, Stephen Jeffus, Colton Bryant

The Following Actions were discussed:

A. REVIEW MEETING MINUTES

- Everyone agreed to the last meeting minutes.

B. COMMON FORCE MAIN EXTENSION & PUMP STATIONS

- Elhaj stated that WMU and Argo Construction visited the two sites that will be bored on June 22, 2022. The Bore Company will start boring on July 25, 2022.
- Elhaj stated that WMU has provided additional as-built drawings to Argo Construction.
- Verner stated that Argo Construction will have pump station number 3 submittal by the end of the week.
- Wimbish stated that Argo Construction will start on Broadway bore on July 25, 2022.

C. WWTF MODIFICATION

- Verner stated that FA received the seepage analyst draft report from geotechnology on July 11, 2022. The report mentioned when the clarifiers are installed to grade, the groundwater will rise at a rate of 440 GPM.
- Verner stated that FA and geotechnology will discuss the report and get more additional information.
- Verner stated that FA is still waiting on ADEQ to come back to schedule an internal meeting on what the permit going to be before they send it to EPA.
- Verner stated that FA has responded to the health department on their comments.



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D. 2022 FLOW MONITORING

- Compton suggested to the flow monitoring study be postponed to the springs.
- Pedersen accepted the Flow monitoring study to be postponed until the spring.

E. 2022 SEWER MAIN REHAB.

- Elhaj stated that 2022 sewer point repairs have begun and the contractor has completed 8-point repairs out of 42-point repair sites.
- Elhaj stated that the contractor is expected to be complete by mid-December.
- Elhaj stated the CIPP Project is in progress with bid package.



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MONTHLY CAP MEETING

August 10, 2022

MEETING AGENDA:

- 1. Review Meeting Minutes**
 - a. Last Month's CAP Meeting
- 2. Common Force Main Extension**
- 3. WWTF Modifications**
- 4. 2022 Flow Monitoring**
- 5. 2022 Sewer Main Rehab.**
 - a. Point Repair
 - b. CIPP Rehab
- 6. Confirm the Next Meeting date (September 14, 2022, at 10:30 am)**



WEST MEMPHIS UTILITY COMMISSION
P O Box 1868 604 East Cooper
Phone: 870-735-3355
West Memphis, AR 72301

CAP MEETING (September 14, 2022)

Attendees Onsite:

- WMUC-Ward Wimbish and Jaden Guiltner
- F&A-Time Verner

Project Members:

- WMUC-Todd Petersen, Ward Wimbish, Paul Holloway
- F&A-Time Verner

Meeting was conducted over the phone

The following actions were discussed:

A. Review Meeting Minutes:

Everyone agreed to the last meeting minutes

B. Common Force Main Extension and Pump Stations:

- Argo Construction have submitted the first pay app. The work listed which was mostly the Broadway bore and it has been confirmed. Will send over for our review and approval.

C. WWTP Modification:

- As of this date, plans have not been approved. A letter will be drafted alerting them to the fact that time is running out and the deadline will not be made. An extension will be addressed.

D. 2022 Flow Monitoring:

- No change. This is scheduled for next year.

E. 2022 Sewer Main Rehab:

- Guiltner stated the Water and Wastewater Service has completed 17 of the 42 sewer point repairs. They have not been able to work on this for the past two weeks. They are scheduled to start back this week.
- Water and Wastewater Services have submitted their AIA (American Institute of Architects) form and the first payment has been approved and submitted.



WEST MEMPHIS UTILITY COMMISSION
P O Box 1868 604 East Cooper
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West Memphis, AR 72301

CAP MEETING (October 20, 2022)

Attendees Onsite:

- WMUC-Todd Pedersen, Paul Holloway, Denise Bosnick
- F&A-Tim Verner

Project Members:

- WMUC-Todd Pedersen, Ward Wimbish, Paul Holloway, Denise Bosnick
- F&A-Tim Verner

The following actions were discussed:

A. Review Meeting Minutes:

Everyone agreed to the last meeting minutes with the corrections of spelling errors.

B. Common Force Main Extension and Pump Stations:

Only item from Tim Verner was the application for payment made from Argo for their work through the end of last month (September). Tim asks if the directional bore had been done, the 900 feet that goes from Rich to the east side of the fire station on West Barton and it has been done. They also request 550 feet open cut force main. Todd asks if the jack tap had been made and Tim said it was made last month (September). This was Argo first application for payment.

C. WWTP Modification:

Tim stated that the Department of Health and Arkansas Department of Environment Quality has approved the plans. Nick Brown is going through the electrical and has made some recommendations. The previous electrical company did not account for some equipment. We now have to pay for the advertisement for permit modifications and review.

As of last Friday (October 14) we received a seepage study from Geo Technology. Tim hopes to have the report to Rob Rash within the next ten (10) days.

D. 2022 Flow Monitoring:

- No change. This is scheduled for next year (2023).

E. 2022 Sewer Main Rehab:

- Sewer point repairs. Nothing has been completed since the last meeting. At that time, it was 17 of 42. Contractor has been working on other projects. This will be to be addresses because the need to have this completed by December 1, 2022.

We also addressed the semi-annual report due to Arkansas Department of Environmental Quality. We decided to plan to go to Little Rock.

Next Meeting **November 16, 2022**