

April 13, 2018

Mr. Gavin Gray
Enforcement Analyst
Water Division, Enforcement Branch
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

**Re: CAP Progress Report No. 1
NPDES Permit No. AR0022292, AFIN 04-00052
City of Decatur, CAO LIS 16-094
MCE Project No. FY152150**

Dear Mr. Gray,

In response to your letter dated March 21, 2018, this letter serves as the first bimonthly progress report on the Corrective Action Plan dated March 13, 2018. Following is a summary of progress made on the CAP since it was implemented.

Flow Diversion

The City continues to divert flows that exceed the treatment capacity of the WWTP to the equalization pond for temporary storage. This measure will be continued until the process improvements are constructed and placed into operation by December 2018.

The City has also hired a Contractor to install lining on approximately 1,000 LF of sewer that was identified to be a significant source of infiltration/inflow (I&I). The Contractor started work this week, and is scheduled to be complete with the sewer lining by the end of April, weather permitting.

UV Disinfection System

The City replaced lamps and sleeves in the existing UV system in March 2018 as planned and will continue performing routine maintenance on it until the new UV system can be installed and placed into operation. MCE approved the submittal for the new UV system, which is still on schedule to be installed in August 2018. The new UV system will have a rated capacity of 4.6 MGD.

Sludge Handling and Disposal Procedures

- Belt Filter Press
 - The City obtained another belt filter press as planned in March 2018. The press had been delivered from another site that had experienced freezing

temperatures; therefore, repairs were required by the vendor before it could be placed into operation by the City. Repairs were completed the first week of April and the press was operational on April 9, 2018. This will increase the solids handling capacity by approximately 50% as compared to the existing fan press.

- MCE has approved the submittal for the new screw press, which is still on schedule to be installed in late October 2018.
- Actiflo System
 - The City completed the conversion of the polymer feed from a dry system to a wet system in March 2018 as planned. This has improved the ability of the Actiflo system to adapt to changes in flows/loadings and operate more efficiently.
 - The City continues to run 2 pumps from the Actiflo system, which has reduced the potential for solids to burp out of the system.
 - The City also moved forward with hiring a 2nd employee to man the Actiflo system during the night shift. This employee started working the night shift this week, so the City now has a full-time employee dedicated to operating this system for 16 hours each day.
- Wasting Procedures
 - The City continues to waste to the aerated sludge storage tank (ASST) at all times while the jet motive pumps are operating in the SBR tanks to maximize sludge removal. If the ASST reaches its capacity, the City has utilize a temporary line from the ASST to the existing pond to temporarily store excess sludge until it can be processed.

As previously mentioned, the City is committed to continuing these procedures while the process improvements are being constructed and placed into operation. Please don't hesitate to let me know if you have any questions or need additional information.

Sincerely,
McClelland Consulting Engineers, Inc



Nicholas R. Batker, PE, CFM
Associate/Senior Project Manager

Cc: Mayor Robert Tharp
James Boston, Director of Public Works
Ryan Adler, Crossland Heavy Construction