

January 22, 2019

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. 5
NPDES Permit No. AR0022292, AFIN 04-00052
City of Decatur, CAO LIS 16-094
MCE Project No. FY152150

Dear Mr. Gray,

This letter serves as the fifth 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

With the conversion of Trains # 2 and #3 to MBRs, the City already has seen a significant improvement in the treatment capacity of the WWTP. This has in turn reduced the frequency of flow diversion to the equalization pond. Once the final MBR train is placed into operation, the equalization pond will only be required during periods of heavy flow that would exceed the treatment capacity of the MBRs.

UV Disinfection System

The new UV system was installed and placed into operation on November 7, 2018, which has significantly improved the disinfection capability of the WWTP.

Sludge Handling and Disposal Procedures

- Screw Press
 - As stated in the prior progress report, the new screw press/conveyor system was placed into operation on October 9, 2018.
- Actiflo System
 - The first MBR train (Train #3) was placed into operation on December 17, 2018. The second MBR train (Train #2) was placed into operation on January 16, 2019. The Actiflo system was subsequently taken out of operation upon startup of Train #2 and is no longer required.

- Wasting Procedures
 - When Trains #2 and #3 were converted to MBRs, the residual solids in each train were fully removed by the Contractor. The solids in Train #1 are currently being cleaned out and the MBR will be placed into operation before the end of the month. The City has already seen a significant improvement with the MBR conversion and new screw press, and will continue to optimize the sludge wasting procedures once all three MBRs are fully operational.

The City will continue to implement the aforementioned procedures until all of the process improvements are fully 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