

Taylor, Bailey

From: Aaron Benzing <Aaron.Benzing@hawkins-weir.com>
Sent: Monday, October 7, 2019 1:57 PM
To: Taylor, Bailey
Cc: menawwtp@gmail.com; charles.menawater@sbcglobal.net; Nelson Heringer; A.J. Kaufman
Subject: Mena WWTP TRC: NPDES AR0036692, AFIN: 57-00423

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Ms. Taylor,

We have been asked to provide an update regarding the City of Mena's efforts towards compliance with their total residual chlorine (TRC) limit as required by Part I, Section B of their NPDES permit. Our update is as follows:

The City of Mena has begun the process of replacing their current wastewater treatment system with an activated sludge facility. Since the new WWTP will not be in service prior to the implementation date (September 1, 2020) of the City's more stringent 0.011 mg/l TRC limit, they are taking steps towards the installation of a Sodium Thiosulphate chemical feed system to quench residual chlorine.

Historical monitoring of TRC concentration by the City of Mena indicates an average chlorine residual of 0.048 mg/L and a 99% upper confidence limit of 0.055 mg/L. Therefore, the dechlorination system will be designed for a chlorine residual of 0.055 mg/L and a design flow rate of 3.1 MGD. The system will be constructed in accordance with all applicable Ten States Standards. Construction will not proceed until a Construction Permit is granted by ADEQ. An updated milestone schedule is included below:

- A. Design Complete – November 2019
- B. Construction Permit Application – December 2019
- C. Construction of Interim TRC Improvements Complete – August 2020
- D. Final Progress Report – September 1, 2020

Respectfully,

Aaron M. Benzing, M.S., P.E., Principal

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