

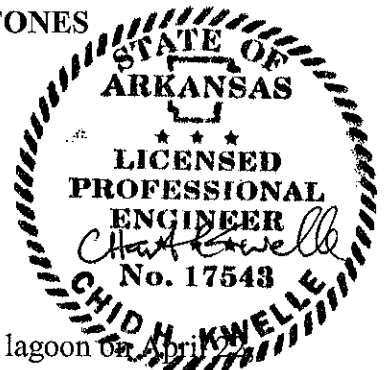
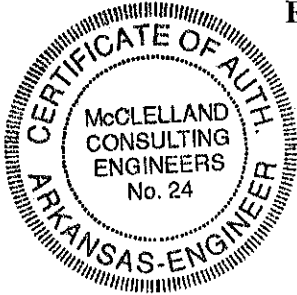
REVISED CORRECTIVE ACTION PLAN (CAP) MILESTONES

AFIN: 21-00045 NPDES Permit No. AR0033987

Dumas WWTP

Dumas, AR 71639

May 2, 2019



McClelland Consulting Engineers (MCE) made a site visit to Dumas WWTP lagoon on April 11, 2019 to assess its disinfection system. The Dumas WWTP consists of headworks, and four lagoon cells. The wastewater enters the first cell, which is “completely” aerated from the headworks, and then flows in series to the rest of the cells. The last two cells had less air to allow settling to occur before disinfection. The wastewater from the last cell flows to a concrete-built compartmentalized unit to allow plug flow regime. The chlorine is dosed at the beginning of the contact unit and dechlorinated at the effluent end. The effluent end of the contact chamber was being aerated before discharge to a receiving stream.

The leaking chlorine and sulfur dioxide lines had been fixed as indicated in the previous CAP. The flow meter and chart recorder were out of order at the time of the site visit, and accordingly, are the main causes of noncompliance. Onsite evaluations were made to ascertain whether the current permitted treatment system is capable of meeting its NPDES permit requirements, and was determined adequate. Based on the site visit, the following activities and milestones have been drawn.

Activity	Milestone Date
1. Replacement flow meter and its accessories and chart recorder	May 1 to Jul 31, 2019
2. Improvement of initial mixing at the head of the chlorine contact chamber	Aug 1 to Sep 30, 2019
3. Matching properly residual chlorine dosages with sulfur dioxide dosages	Aug 1 to Oct 2019
4. Monitoring of influent fecal coliform during periods of high influent flows	Nov 1, 2019 to Mar 2020
Final Compliance Deadline and Final Report	May 31, 2020