

CONSENT ADMINISTRATIVE ORDER

QUARTERLY REPORT 2

MONTICELLO WASTEWATER TREATMENT PLANT-EAST

NPDES Permit Number AR0021831 AFIN: 22-00379

City of Monticello

Monticello, AR 71639

July 8, 2020

Pursuant to the amended consent administrative order, CAO LIS 18-066-001, the city of Monticello (City) is required to submit quarterly reports. This status report is for the quarter period that ended June 30, 2020.

The hydrograph control release (HCR) system, which includes HCR cell, effluent discharge component and the receiving stream flow monitoring, continues to be performing well. The adequacy of streamflow monitoring with respect to HCR effluent system has been verified and is in good working order.

The city of Monticello has evaluated the contents of the accumulated sludge in the lagoon. Sludge from Cells 1, 2, and 3 were sampled and analyzed. The HCR cell was not sampled at this time because there was no appreciable sludge accumulation in the unit. The results indicated that all the regulated metals were significantly lower than the ceiling limits contained in 40 CFR Part 503 (503 Rule). The bacterial counts were low indicating some form of sludge stabilization.

Calculations of available detention times show the detention time of the HCR cell to be 100 days based on a lagoon pond survey contained in a letter dated April 17, 2019 to ADEQ. In the same lagoon pond survey, the available detention time for cells 1, 2, and 3 was collectively determined to be 104 days. Thus, the lagoon system has a total detention time of 204 days, which is significant. Nevertheless, the city of Monticello is planning to remove the sludge from the cells and possibly dispose it by land application.

Based on the CAP dated August 30, 2019 that accompanied CAO LIS 18-066-001, the City has completed the following:

- Verification of adequacy of streamflow monitoring system with respect to HCR effluent discharge
- Emergency power supply to lift stations

The remaining items are removal of sludge from the pond and minimization of short circuiting in the lagoon system.