



LEMONS ENGINEERING CONSULTANTS, INC.

204 CHERRY STREET  
CABOT, AR 72023  
(501) 843-5081  
(501) 941-0959 Fax

## MONTHLY PROGRESS REPORT

### Ward Wastewater Treatment Facility Improvements - Ward, Arkansas

December 18, 2018

Construction Period - November 19, 2018 to December 15, 2018

Haren Construction started placing airline piping in the old clarifier/new sludge digester, North side of old plant on November 19, 2018. On November 20<sup>th</sup> they started placing piping from the new wet well to the new manhole at the old wastewater plant. On November 21, 2018 contractor finished placing airlines, diffusers, and piping in old clarifier tank/new sludge digester, North side of old plant. They finished placing piping from new wet well to the new manhole. Contractor also set the new manhole. On November 26, 2018 they placed telescopic valve on the North side of the new sludge digester and continued placing 2-4" waste water sludge lines at East end of new sludge digesters in the old clarifier tanks. On November 27, 2018 they completed placing 2-4" wastewater sludge lines, completed running conduit from press plant for air actuator lines, & removed 3 clarifiers from old wastewater plant on South side. Also started hauling fill dirt to the site. On November 28, 2018 Haren started helping the city remove sludge from the South side clarifier tank and continued hauling in fill dirt. On November 29, 2018 they started placing airlines and piping in South side of the old clarifier tank, new sludge digester tank and also continued hauling in fill dirt. On November 30 they continued hauling in fill dirt. On December 3, 2018 contractor placed 30" plastic culvert, 60' in length. December 5, 2018 they completed effluent line from the wet well vault to the headworks at the new Aeromod plant. On December 10, 2018 contractor was removing old walkways from the old plant. On December 11, 2018 they started placing new walkways and hand rails for the new sludge digester tank. Rain began early Thursday, December 13, 2018. On December 14, 2018 the site received a steady morning rain that continued through early Saturday morning. All six of the clarifiers have been picked up by Aeromod. 150 loads of fill dirt have been hauled in to the site for a total of 2240 yards uncompacted. Aeromod was on site December 11 & 12 for start up and training.

Ten (10) rain days were experienced during this construction period. The total number of rain days to date stands at seventy four (74).

At present, the project appears to be 99% complete, as per this request dated December 18, 2018.

518/518 days have elapsed (incl 10 rain days that occurred this pay pd) in the contract as of the date of this Progress Report. An additional 30 days will be added to the contract days due to sludge removal by City of Ward. Therefore 518/548 days have elapsed. This reflects 95% completion by days compared to 99% completion by quantities.

Weather and sludge removal have been the only problems encountered during this construction period.

The anticipated next month's schedule consists of: Completion Project, weather permitting.

Report prepared by:

Tim Lemons, PE, President