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## MONTHLY PROGRESS REPORT

### Ward Wastewater Treatment Facility Improvements Ward, Arkansas

September 19, 2018

Construction Period – August 15, 2018 to September 18, 2018

Haren Construction started forming trough for Headworks and completed placing piping and suction hood in Clarifier Tank B on August 20, 2018. On August 21, 2018 they started placing piping and suction hood in Clarifier Tank A. On the next day they finished forming the 1<sup>st</sup> Head works trough pour & poured first Head Works trough pour. There were 9 yards of concrete used. Contractor removed wall forms from the Head works trough 1st section on August 23 & 24<sup>th</sup>. On August 27<sup>th</sup> they started placing forms on UV wall structure. On August 28, 2018 they completed piping and suction hoods on Clarifier Tank A. Haren finished forming the UV wall and poured walls on August 29, 2018, 13 yards of concrete were used. They started working on Aeration Tank A placing air lines. On August 30, contractor started placing forms on Head Works trough for 2<sup>nd</sup> section & started working on actuator air lines in AeroMod Tank. Haren removed the forms from inside the UV wall structure on the next day. On September 5, 2018 they completed running the actuator air lines in AeroMod Tank, placed sump pump in clarifier tank and started forming finger weirs for UV structure. The Press Plant was also received on this day. On September 6 they completed forming head works trough and made the pour on the second section for 9 yards of concrete used. On September 10, Haren was pumping water from the AeroMod Tank. On September 11, 2018 they placed forms for interior wall in head work trough and placed form for footer for wall at head works dumpster site. They also finished forming the finger weir for UV & placed blower units on slab. On September 12, they poured footer for header wall at head works and dumpster site, using 4 ½ yards of concrete. Contractor also poured divider wall in head works trough, using 2 ½ yards of concrete. They also poured finger weirs in UV structure, using 2 yards of concrete and started placing ductile iron air lines to the blower units. The Generator was received on this day as well and was placed in the old bagger room. On September 13, 2018 they removed the forms from the finger weirs in the UV structure and removed forms from the header wall. They also busted the rebar for the header wall. On September 17, 2018 they completed installation of air lines on blower unit slab & poured retaining wall at head works and dumpster site using 5 yards of concrete. Haren received a load of pipe on this day. They started digging out for the flume slab and placed manual bar screen in head work trough. They started placing 2-4" sludge waste lines from AeroMod tank to old wastewater plant. On September 18, Haren removed the forms from the retaining wall, connected two blower units to ductile iron air lines and poured slab for flume manhole side, using 2 yards of concrete.

One (1) rain day was experienced during this construction period. The total number of rain days to date stands at thirty six (36).

At present, the project appears to be 96% complete, as per this request dated September 19, 2018.

432 out of 476 days have elapsed in the contract as of the date of this Progress Report. This reflects 91% completion by days compared to 96% completion by quantities.

No problems have been encountered during this construction period.

The anticipated next month's schedule consists of:

Completing UV Structure;

Completing Headworks Structure;

Completing piping from AeroMod Tank to old wastewater plant;

Completing flume structure & manhole;

Completing wetwell and valve box;

Completing Blower units;

October 1, 2018 is the scheduled AeroMod dry inspection.

Report prepared by:



Tim Lemons, PE, President