



LEMONS ENGINEERING CONSULTANTS, INC.

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## MONTHLY PROGRESS REPORT

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

January 16, 2019

Construction Period -December 16, 2018 – January 15, 2019

Haren Construction started forming up to pour base on weir box for outfall lines in the northwest corner of the new post aeration tank on December 17, 2018. They also started working on placing ductile iron lines to the new sludge digester tanks. On December 19, 2018 they repaired a water line leak going to the press plant building. On December 21, 2018, they completed ductile iron air lines to the new sludge digester tanks. December 26, 2018 was a rain day. They worked in the press plant building placing ABS board on outside walls of electrical room in press plant building. On December 31, 2018 they completed ABS board on the outside wall of the electrical room in the press plant building and also started painting dry wall and ABS board. On January 2, 2019 they worked on placing algae probe inside the clarifier tanks. They finished placing algae probes on January 3 and also started placing 4" PVC pipe on the wall of the press plant building from the polymer units to the press plant. They completed placing pipe on January 4, 2019. On January 7 they were forming out the weir box at post aeration, northwest corner, for the outfall lines. On January 8, 2019 they finished forming weir box and poured concrete, for a total of 1.5 yards used. Haren also repaired water line on head works for auger screen. On January 10, 2019 contractor finished painting in press plant building, pumped water out of the old plant and the new post aeration tank into the new sludge digester, repaired control panel on head works for auger screen, and also re-routed conduits from the top of panel to the bottom. On January 14, 2019 they finished pumping water out of the new post aeration tank and started installing air lines inside post aeration tank, southside, also placed insulation on water pipe on auger screen at head works. The City of Ward completed removing sludge from the last tank on the old wastewater plant. On January 15, 2019 they were working on the air lines from the post aeration tank, southside and started cutting the wall out on the southside digester tanks and core drilling west side walls.

Eight (8) rain days were experienced during this construction period. The total number of rain days to date stands at eighty two (82).

At present, the project appears to be 99% complete, as per this request dated January 16, 2019.

551/566 days have elapsed in the contract as of the date of this Progress Report.

Problems encountered during this construction period have been as follows:

- weather;
- sludge removal;
- auger screen not working on automatic.

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

Report prepared by:

Tim Lemons, PE, President