

September 19, 2018

Mr. Richard Healey  
ADEQ – Office of Water Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118-5317

Re: Schedule for Sanitary Sewer Collection System Evaluation  
Mena Water Utilities – NPDES No. AR0036692  
ADEQ Consent Order LIS 18-046

Dear Mr. Healey:

Please accept this letter on behalf of the City of Mena in response to the Consent Order LIS 18-046 that was received and agreed to by the City on May 15<sup>th</sup>, 2018.

The Mena Water Utilities is progressing with the sewer system evaluation as required and to date the following items have been performed:

- Approximately 167,506 linear feet of sewer main has been reviewed for leaks by conventional smoke testing practices. The smoke testing study is over 50% complete. Depending on weather the smoke study should be completed by December 1<sup>st</sup>, 2018.
- To date a total of 102 leaks have been observed. These include leaks within the main collection system as well as private service leaks. A large percentage of the leaks observed are private service leaks (see attached pictures). A list of addresses and locations is being compiled to further investigate and address the leaks noted.
- As part of the sewer collection system study a total of ten flow measuring devices have been installed throughout the collection system. These devices will record data relating to flow patterns and peak flows to determine the impact of wet weather patterns throughout the system. We anticipate the data will be available for further study by December 1<sup>st</sup> of 2018.



- The final phase of the sewer collection system study will include televising of sewer mains. The locations of study will be determined upon review of results from smoke testing and flow monitoring results. This phase of work will likely occur during winter months as weather permits.
- As previously noted all field study efforts will be documented and assembled in an updated SSES Report that will include recommendations for repairs, replacements, and anticipated costs. This study and data will largely determine the specific corrective actions needed for addressing the sewer collection system deficiencies. A draft report of the SSES Report is expected to be submitted to the Mena Water Utilities by February 1<sup>st</sup>, 2019.

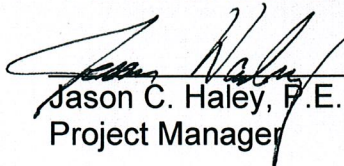
Additional items being performed by Mena Water Utilities in response to the Consent Order are further listed as follows:

- The Mena Water Utility has just completed a sewer main replacement project that include roughly 3,250 feet of 12" main in relative close proximity to Ward Creek. The old sewer main that has been abandoned was observed as having a significant amount of groundwater infiltration. This segment of main has now been plugged from entering the collection system.
- In consideration of private service line leaks the Mena Water Utilities is considering a new ordinance to address the responsibility of property owners to maintain sewer service lines in good working condition. The ordinance will also address the authority of the City to inspect, and penalize property owners for noncompliance.
- A sewer plant evaluation is being performed concurrently to the collection system assessment and is anticipated to be completed and submitted to the ADEQ.

If you have any questions or require additional information, please contact me at 870-216-1906 or by email at [jhaley@alfranksengineering.com](mailto:jhaley@alfranksengineering.com). I appreciate your consideration and look forward to the possibility of working with you in the future.

Sincerely,

A. L. FRANKS ENGINEERING, INC.

  
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Jason C. Haley, P.E.  
Project Manager

Cc: Charles Pitman, Mena Water Utilities







