

August 16, 2016

Mr. Robert Lorange, Mayor  
City of Redwater, Texas  
120 Redwater Blvd West  
Redwater, TX 75573

RE: City of Redwater, TX  
Low Chlorine Residual

Mayor Lorange:

After meeting with the City of Redwater and Texarkana Water Utilities (TWU), and reviewing the chlorine test results from the lines and tank, we believe that the low chlorine residual is due to the hot weather and low turnover rate of the elevated storage tank. A chlorine sample taken from the elevated storage tank influent water was 3.8 mg/L and effluent chlorine residuals were 3.3 mg/L and 0.9 mg/L (taken at different times). This leads us to believe that the tank should be completely drained, inspected and refilled. We are in the process of designing a cycle stop valve system that will allow the City to drain the tank and maintain pressure on the water system at the same time. It is recommended to continue actively flushing water mains in areas that have low chlorine residuals until the tank can be drained and re-filled.

If you have any questions or require additional information, please contact me.  
(870) 216-1906.

Sincerely,

A.L. FRANKS ENGINEERING

---

Kiron Browning, P.E.  
Project Manager