

Recommendations

1. Replace existing softener with more reliable unit.--- **Online within 2 weeks**
2. Replace existing older pump with more reliable Stenner---**Complete**
3. Install Stenner Pump Control Module (PCM) to interface between water meter and Stenner pump for precise chemical injection----**Complete**
4. Physically remove as much scale as possible from each boiler prior to putting back in service.
5. Replace broken level sight tube on Boiler #1.
6. Repair doors and seals on all steam boxes.
7. Install blow down controller on each boiler or manually check and blow down each boiler daily.
8. Evaluate returning condensed steam (condensate) from the steam boxes back to the boilers. This will save on energy, chemical, and water.
9. Inspect all other areas of each boiler system during next shutdown.
10. Evaluate required set point temperatures of steam boxes and lower if possible without causing quality issues.
11. Conduct economic feasibility study to determine if RO system between softener and boiler can be justified with energy, chemical, and water savings.
12. Introduce boiler cleanup chemical until next inspection to determine if on line cleanup is possible before pursuing acid cleaning.
13. Implement preventative maintenance program as specified in Fulton Boiler Operations Manual.

Thank you for your business and please let us know if you have any questions about this report. We look forward to working with you to complete these recommendations and get these Fulton boilers back to the condition we both desire.

Water Solutions Engineering