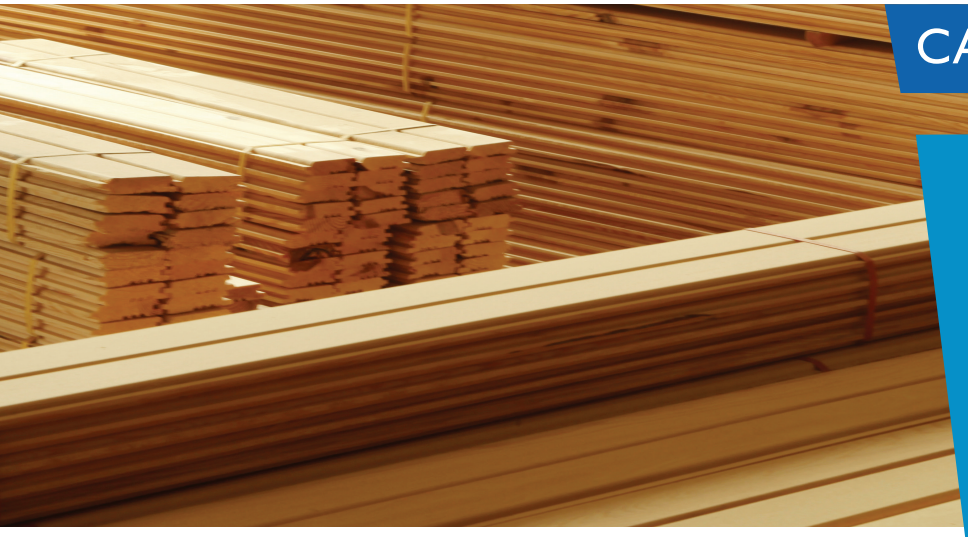
WATERTECH of America, Inc.

MANUFACTURING



CASE STUDY

CHALLENGE

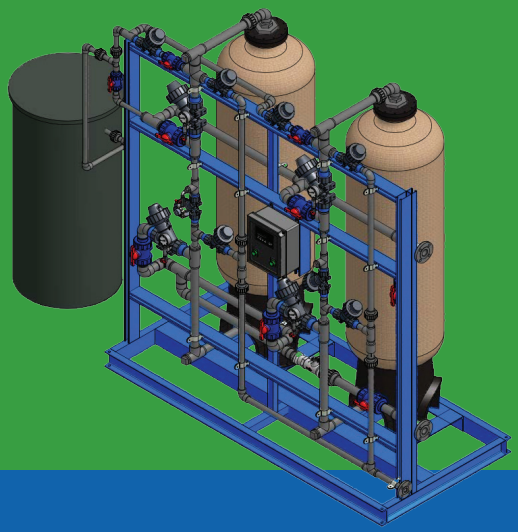
A LUMBER DRYING PLANT OPERATED A BOILER ON WELL WATER CREATING SLUDGE

The well water, contained high hardness and iron. They were feeding caustic to the feedwater to keep the alkalinity high in the boiler, making the hardness precipitate out as sludge. This process created a large quantity of sludge that covered the boiler tubes – affecting the efficiency of the boiler. The boiler required eight to ten bottom blow-downs per day to keep the boiler water from getting too concentrated. It also required four hours of labor every shut down to have the boiler tubes scraped clean by hand.

SOLUTION

INSTALL WATER SOFTENER

A twin alternating water softener was installed to pretreat the incoming well water, removing the hardness from the boiler feedwater.



RESULTS

3 IMPROVEMENTS FROM USING SOFTENED WATER

- Eliminated the need for caustic soda (removing a hazardous chemical from the plant)
- Reduced the number of blow-downs per day
- Eliminated the need for sludge-scraping after every shutdown

TOTAL SAVINGS
$10,000 annually

The company saved an estimated $10,000 per year in labor, energy and chemicals.

More than a water treatment solution.

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