

# A Cleaner Boiler Saves Money

## Sustainability Benefits



Fewer chemicals used equals less handling which reduces the chances for lifting injuries.

Improved worker safety by introducing less hazardous Solid Treatment Chemistry.



Increased Boiler Cycles saves on water usage and reduces chemical discharge.

Reduced the number of chemical drums to dispose of.



More than \$5,000 saved in annual energy costs.

## Challenge

This large state university located in the Commonwealth of Massachusetts was looking to Rochester Midland Corporation (RMC) for innovative ways to reduce their operating costs.

## Solution

Rochester Midland Corporation conducted a detailed Water Management system wide survey to determine areas for potential savings. This Joint Process Improvement (JPI) survey found savings opportunities in their boiler and closed loop systems. It was determined that savings could be realized by increasing the boiler cycles of concentration and monitoring the optimum chemical levels. In addition, switching to Solid Chemical Treatment for their closed loops has reduced labor time as well as lowered the chance for a lifting injury to occur.

## Results

With approval to proceed, RMC took action and implemented the plan for improvement. Based on the proposed changes over \$5,000 in energy savings will be realized annually.

## Business Profile

Salem State University Salem, MA

## Industry

Higher Education

## Products Used

- A combination of RMC BFW-35, CS-875, BSC-30 and RLT-280 products maintains boiler efficiency.
- CLT-7000STX solid treatment for closed loop maintenance.

## Benefits

- The boiler treatment program maintains clean heat exchange surfaces for more efficient heat transfer.
- By increasing boiler cycles of concentration less makeup water and chemicals are needed.
- Solid treatment products are light in weight and may reduce the chances of a lifting injury.