



**Solid Product  
Chemistry for  
Corrugated Box  
Plant Provides  
Annual Savings**

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**CASE STUDY**

## Challenge

One of the world's largest corrugating box companies had always used liquid chemicals to treat their industrial steam boilers in over 75 locations. Their typical treatment programs included bulk chemical storage or (55) gallon drums with containment. These systems occupied a significant amount of floor space in the boiler rooms which often made it difficult to access and repair mechanical equipment. Although the historical treatment results were characterized as acceptable, improvement expectations remained.

In 2014, RMC was awarded a corporate agreement as a tier 1 supplier and implemented a solid product treatment program. The objectives of this program were to improve safety through reducing the risks associated with handling hazardous liquid chemicals, increase the available floor space in the mechanical room, and improve the boiler operating efficiency.

## Solution

RMC implemented a solid product treatment program that included an oxygen scavenger, a boiler water scale inhibitor with advanced polymer technology, and a condensate return line treatment. These products were added to the systems with improved application technology and enhanced monitoring capabilities by experienced and knowledgeable technical representatives.

**“The RMC solids program has provided cleaner boilers with improved efficiency.”**

**- Maintenance Managers and Independent Boiler Inspectors**

## Results

The results of the solid water treatment program have been nothing short of dramatic. The RMC solids program produced significant savings; not only reducing the total cost of water treatment by more than 50% compared to the previous liquids program. This corrugated box company realized annual utility cost savings over \$250,000 through improved operating efficiency. The solid product chemistry has been proven to provide clean heat exchange surfaces, zero oxygen pitting, and exceptional condensate line corrosion protection. In addition to the financial benefits, the solid product program improved safety, significantly increased the available amount of floor space in each boiler room and eliminated bulk storage and containment.



**Improved Health  
& Safety**



**Cost Savings**