

# CASE STUDY

## Solids Simplify Water Treatment for a Healthcare Facility

### BACKGROUND

A healthcare facility in the Southeastern U.S. used liquid chemicals in their four cooling towers. Due to limited space around the cooling towers there was great difficulty moving large drums of liquid product to the point of use.

The cooling towers had to be hand-fed several times a week due to the space constraints as well as lack of proper feed and control equipment. Furthermore, the cooling towers were not being properly treated for corrosion and microbiological fouling. The facility wanted to replace their problematic program with one that eliminated heavy drums and provided a feed system that would fit within their limited space.

### SOLUTION

AP Tech's solid chemistry and dissolver technology along with automated controllers were installed for each cooling tower and have provided the proven results of a liquid program while allowing the facility to eliminate several challenges and safety hazards



### RESULTS

The new solids program is simple to use and provided adequate chemistry to control and corrosion and fouling. In addition it,

- Reduced splash and spill concerns
- Eliminated drum handling, storage, and disposal
- Provided automated feed for a corrosion inhibitor, oxidizing biocide, and non-oxidizing biocide to enable proper treatment
- Proved to be an innovative technology that solved a space and storage issue for a hard to reach location while improving upon the overall water treatment program results.



DECREASED  
CORROSION &  
MICROBIOLOGICAL  
FOULING



IMPROVED  
FACILITY SPACE  
ISSUES & SAFETY

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### PRODUCT USED

#### Cooling Towers

**C20-C**

Scale Reduction

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**C100-G**

Non-Oxidizing, DBNPA  
EPA Registered Biocide

