

# CASE STUDY

## AP Tech Solids Program Reduces Total Water Treatment Costs by 80%

### BACKGROUND

A large eastern university was using liquid chemicals to treat the water in their cooling towers and boilers for a number of years. In 2001, the university was tasked with implementing a host of OSHA safety mandates associated with their water treatment program.

These included water retention areas, eye wash stations, and showers. Estimates for these improvements ranged from \$30,000 to \$70,000.

### SOLUTION

Prior to making a decision about funding the expensive OSHA mandated safety improvements, the university implemented a test to compare several water treatment methods. Solid water treatment chemicals from AP Tech Group was among the methods tested. After one year of testing, the university decided to move forward with a solids water treatment program, utilizing AP Tech Group technology.



### RESULTS

The results of the solid water treatment program was nothing short of dramatic. After nine years, The AP Tech Group solids program produced significant savings; reducing total costs on water treatment by 80% compared to the previous liquids program. The university realized savings of \$140,000 by avoiding costly OSHA safety improvements.

In addition to the financial payback, the university benefited from a significant reduction in required maintenance of cooling towers and boilers, meaning longer equipment life. The facility management team was impressed. The facility manager stated: *"The solids program is cheaper, more efficient, and easier to operate."*



**80%**  
REDUCTION IN  
WATER TREATMENT  
EXPENSES



**\$140k**  
SAFETY SAVINGS  
REALIZED

### PRODUCTS USED

#### Cooling Towers

C20V-C

Scale Reduction

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#### Boilers

BC01

Oxygen Scavenger

B-ACMDC-C

Steam Line

B-ALK+

Alkalinity Buldier

B301-C

Scale Inhibitor