HandiChem System Simplifies Water Treatment in Large Property Management Facility

Problem
A large property management facility in Ontario, Canada had a system filled with dirt and used liquid chemicals in their four cooling towers. Due to limited space in the control room 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. 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.

Analysis
During the fall of 2010, Chem-Aqua suggested switching from liquids to the HandiChem Solid System with an advanced feed and control system. The compact size of the HandiChem System would fit within the small space and eliminate the need for hand feeding product.

Solution
The HandiChem System was installed in 2011 allowing for accurate chemical feed and control leading to an increase in water and chemical savings of $23,000 over three years. Heat exchanger cleanliness and efficiency was also achieved during this period. The HandiChem Systems provided the proven results of a liquid program while allowing the facility to eliminate several challenges and safety hazards. The HandiChem System’s simplicity of use:

- 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

The HandiChem Solid Water Treatment System proved to be an innovative technology that solved a space and feed issue for a hard to reach location while improving upon the overall water treatment program results.