



ACCO Engineered Systems Teams with ENECON to Extend the Life of Cooling Tower at Bio-Tech Firm



This major bio-tech firm based in Seattle, Washington, faced a dilemma: whether to spend hundreds of thousands of dollars on a costly and difficult cooling tower replacement or to find an alternative method of

extending the tower's useful life.

The problem with their 900-ton BAC cooling tower resided in its sump area. Over the years, corrosion had taken its toll and the tower suffered excessive leaking.

Normally this tower would be a candidate for replacement, however, the difficult nature of replacing it and the high capital cost involved drove a need for alternate solutions.

ACCO Engineered Systems proposed a tower rehabilitation including the grit blasting and coating of the tower sump to prevent the leaking and extend the tower's useful life thus differing capital costs to other, higher priority projects.

Enter ENECON. ACCO Engineered Systems faced several challenging elements to the project, including a "confined space" work environment. The ENECON product selected, CHEMCLAD SC, was non-flammable and non-toxic thus making it very safe and easy to apply.

Initially, following the grit blasting phase, the cooling tower sump appeared so far gone that the customer was skeptical of a positive outcome. However, after the application of the CHEMCLAD SC, the customer commented that the sump was in "better than new" condition.

Continuous air quality monitoring occurred for the duration of the project and there were no instances of being outside the design condition despite the fact that no supplemental ventilation was used. The entire project was completed on time and on budget for the customer with a minimum interruption in service.

ACCO Engineered Systems was so pleased with the result that they plan to standardize on ENECON High Performance Polymer Systems for other projects of this type in the future.