

# OPEN COOLING WATER TREATMENT PROGRAM EFFECTIVENESS STRESS TEST



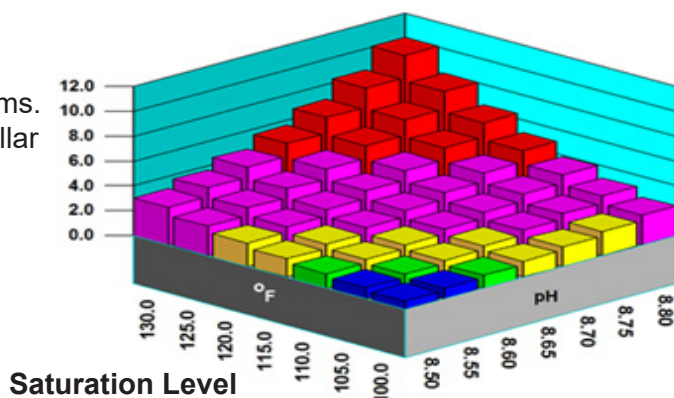
## Value Delivered

- ✓ Independent, exhaustive review of open cooling water chemistry programs
- ✓ Advanced computer simulations for open cooling water chemistry
- ✓ Open cooling water strategic water chemistry plan review & recommendations
- ✓ Eliminated or mitigated costly de-rates & equipment damage
- ✓ Stable knowledge base during personnel or vendor transitions
- ✓ Uncovered latent organizational & programmatic issues impacting open cooling water chemistry control
- ✓ Cross-cutting recommendations to address applicable symptoms & causal factors
- ✓ Identification of program gaps before problems occur

## Industry Challenge

Power plants continue to experience costly equipment damage and fouling due to ineffective open cooling water treatment programs. Though it can be prevented, utilities routinely incur multi-million dollar losses related to programs including:

- ✓ Collapsed cooling tower fill
- ✓ Main condenser scale and fouling
- ✓ Degraded heat exchanger performance
- ✓ Inoperable safety systems
- ✓ Infestation by invasive species
- ✓ Unit de-rates



## ChemStaff Solution

Meeting this challenge, ChemStaff's experts offer decades of power plant and water treatment industry experience. We at ChemStaff understand the central mechanisms of power plants and water treatment vendors, and we strive to provide a critical assessment of cooling water programs and open cooling water chemistry program critical challenge. ChemStaff's trusted open cooling water stress test process delivers a fact-based, independent examination of program effectiveness even during high-stress operational periods such as extreme temperatures, loss of chemical feed, or unusual conditions.

We also provide a thorough critical assessment of plant performance along with expert recommendations to improve performance and prevent problems—strategies for implementing industry best in business practices.

