

EVALUATING CHEMISTRY CHANGES PRIOR TO IMPLEMENTATION



Value Delivered

- ✓ Engineering review of plant changes
- ✓ Comprehensive, proven ChemStaff processes & procedures
- ✓ Experts highly experienced with utility & NSSS vendors
- ✓ Independently challenged changes
- ✓ Trusted domestic & international experience

Industry Challenge

The NRC requires all proposed changes to nuclear power plant designs, programs, or procedures are required to be carefully reviewed before they're implemented. Unfortunately, many changes to chemical treatment programs and chemistry control strategies often fall outside the plant's review processes, so they may not be properly reviewed before implementation, creating an opportunity for increased risk.

Unreviewed or simply under-reviewed chemistry program changes have caused degraded safety system performance and safety system operability problems when more review could have prevented these outcomes. The responsibility falls on the plant's staff to ensure that proposed changes will never cause any unanalyzed increase in risk to the plant and even to the general public.

ChemStaff Solution

To meet this challenge, we at ChemStaff have developed and maintain a time-tested process to comprehensively and meticulously review chemical treatment or chemistry program changes prior to implementation, increasing certainty and eliminating surprises. We understand that all changes to chemical treatment programs, including changes to parameter limits or goals, should always be carefully reviewed and assessed for any potential plant impact. We expertly review, but are not limited to, the following:

- ✓ Control room habitability
- ✓ Fire protection requirements
- ✓ Equipment environmental qualification
- ✓ Materials compatibility
- ✓ Spill response and mitigation requirements
- ✓ Environmental programs

ChemStaff's seasoned experts are a skilled, dependable group of professionals highly trained and thoroughly knowledgeable in chemical treatment programs who can provide concrete solutions through their rigorous review of any proposed changes—before they're implemented.

