

Value Delivered

- ✓ Cost-effective strategies to reduce the harmful effects of corrosion & corrosion product transport
- ✓ Extensive experience evaluating & implementing changes to chemicals at fossil power plants
- ✓ Timely qualification & implementation
- ✓ Comprehensive support & real-time monitoring
- ✓ Deferral of costly maintenance such as sludge lancing & chemical cleaning
- ✓ Elimination of startup holds & improvement of economic performance for plants affected by startup iron

Industry Challenge

During startup, power plant water/steam cycle corrosion and corrosion product transport to steam generators often result in loss of heat transfer efficiency, reduced component service life, and startup chemistry holds. Equipment layup strategies designed to reduce corrosion are vital, yet traditional strategies are cumbersome and seldom implemented effectively during outages. A proven technology for effectively reducing mild-steel corrosion rates and iron transport is film-forming metal passivation. Filming amines can reduce mild-steel corrosion rates and startup iron transport.

ChemStaff Solution

At ChemStaff, we can meet this challenge with our extensive experience implementing innovative power plant chemistry control strategies designed to minimize corrosion and the effects of corrosion product transport in the fossils power industry. Our trusted experts, highly trained and thoroughly knowledgeable, work diligently with plant personnel to:

- ✓ Complete plant-specific material qualification
- ✓ Predict plant response to filming amines
- ✓ Develop a detailed application plan
- ✓ Create industry best practice procedures for filming amine application
- ✓ Monitor plant response during implementation

ChemStaff delivers the needed comprehensive support for all aspects from qualification through application along with real-time monitoring of plant response, including automated reports for key parameters, increasing both certainty and efficiency.

