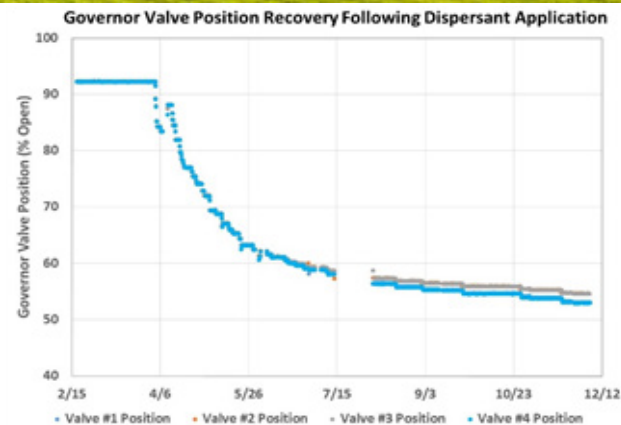


Value Delivered

- ✓ Deferral of costly maintenance such as sludge lancing & chemical cleaning Improved steam generator heat transfer efficiency
- ✓ Successful dispersant applications ensured by expert hands-on support
- ✓ Maximized efficiency & improved performance
- ✓ Increased margin to valves wide open operating conditions
- ✓ Improved CEI performance for plants impacted by feedwater iron

Industry Challenge

Corrosion product deposits can cause steam generator heat transfer efficiency to decline, requiring costly and hazardous cleanings to avoid reduced electrical output. PWRs, however, can use a high-purity dispersant to manage the rate of deposit accumulation in the steam generator and recover governor valve margin.



ChemStaff Solution

ChemStaff can meet this challenge. ChemStaff's trusted experts are leading the industry in effective implementation of dispersants at PWRs for applications during shutdown, startup, and power operations. Initiators and inventors on the industry's various patents, ChemStaff principals have pioneered development and implementation of dispersant technology for nuclear plants. Our experienced specialists deliver expert project management, program development, application plans, material compatibility review, 50.59 inputs, control room habitability evaluation, predicted plant thermal performance response, procedure integration, evaluation of blowdown iron loading, technical support, real-time remote monitoring, and automated reports. ChemStaff provides solutions including:

- ✓ Online PAA injection – Improves thermal performance with increased governor valve margin to valves wide open and reduces iron accumulation rate in steam generators.
- ✓ Condensate flush dispersant – Suspends particulate iron and increases the effectiveness of condensate polishers or feed and bleed for iron removal.
- ✓ PAA steam generator layup – Promotes increased iron removal compared to traditional layup methods.

