



Polymer-Phosphate Boiler Treatment for Steam Generation

Boiler Tube Failure in Critical Steam Generators

Steam generator corrosion can cause major problems for industrial facilities, potentially leading to boiler tube failure that may result in system shutdown and cost millions of dollars in lost production.

ChemTreat offers a polymer-phosphate line at various sodium-to-phosphate ratios specifically developed to reduce boiler tube failures. These products are particularly effective for facilities using high-purity makeup water such as two-pass reverse osmosis or demineralized water.

Is Your Steam Generator System at Risk of Boiler Tube Failure?

Steam generators in chemical, petrochemical, and refinery facilities may be particularly susceptible to boiler tube failures caused by:

- Extensive and complicated steam, feedwater, and condensate systems prone to iron/copper corrosion and transport
- Waste-heat boilers experiencing high heat fluxes that may lead to localized underdeposit failures
- Mixed metallurgies throughout the steam cycle, requiring a delicate balance of pH and dissolved oxygen control to minimize copper and iron transport
- Lower condensate return rates combined with older, stressed, and sometimes poorly designed makeup systems, resulting in poor feedwater quality



Benefits of Polymer- Phosphate Boiler Treatment

- **Polymer-phosphate blend to help you achieve target pH and phosphate levels**
- **Dispersion capabilities to improve metal and particulate removal via boiler blowdown**
- **Molybdate tracer to accurately control chemical dosage and monitor phosphate hideout to help prevent piping corrosion**
- **Customizable blends designed for specific application demands**

Contact us today to see if our polymer-phosphate product line can help you optimize your water treatment program!