

GE's New Solus AP Technology

GE introduced the Solus AP line of all-polymer dispersants for control of deposits in mid- to low-pressure boilers in a variety of industries. Solus AP technology offers users increased boiler reliability and performance because it enables greater control of iron oxide deposition and enhanced rejection of iron and hardness contaminants versus standard water treatment polymers and all-organic solutions. It delivers this performance at comparable overall costs and ease of use. Solus AP products are based on GE's patented boiler terpolymer (BTP) chemistry and are designed for use in boilers operating at pressures up to 900 psig. Given the widespread and growing use of membrane-based reverse osmosis water pre-treatment systems, iron corrosion products are quickly becoming the dominant contaminant entering boilers. Until recently, water hardness resulting from sodium zeolite-softened make-up water was the major issue. Solus AP technology provides outstanding control of iron and hardness-based deposits and significantly more effective transport of troublesome iron, magnesium and silica contaminants through the boiler. Solus AP technology helps maintain cleaner, scale-free heat transfer surfaces



Solus AP offers superior control of deposits and transport of contaminants versus conventional technology

es within boilers, especially under stressed conditions, which can result in high-contaminant loads from feed-water, such as upsets. The BTP polymer helps maintain optimum levels of heat transfer and fuel-to-steam efficiency by preventing the formation of insulating deposits on boiler heat transfer and steam generating surfaces. The technology helps prevent boiler tube failures by reducing potential for overheating, under-deposit corrosion and flow restrictions. ■

Safe, Economical & Versatile by AIS

Australian Innovative Systems (AIS) is an award winning, Australian owned specialist in the design, production and supply of water hygiene technologies. AIS has received a wide range of accolades including a Gold Gaia Award, Telstra Business Innovation Award, International Stevie Award for Most Innovative Company, Australian Technology Showcase and Business Ideas Grants. The company's mission is to create safe, economical and versatile products that protect humans and habitats against waterborne pathogens and

the transmission of infectious disease. The company's brands are AutoChlor™, EcoLine™, MineralChlor™ and ChloroGen™ - incorporate electrochemical cells made with Genuine AIS Anodes™. These innovative technologies disinfect everything from sea water to groundwater, town water and waste water, without the cost and hassle of traditional chlorine dosing. Simple and reliable, the use of electrolysis to disinfect water also reduces the transportation of hazardous chemicals on public roads and may even enhance Occupational Health and Safety programs. A well-known manufacturer in the residential Pool and Spa sector, AIS commercial systems also keep millions of liters of water healthy and sparkling clean in hotel spas, resort lagoons, community pools and competitive swimming venues, and is well suited a wide range of industrial applications too. With decades of experience, skilled AIS technicians bring together diverse expertise in micro-electronics, chemistry, power systems, electrical and mechanical engineering, water system design, assembly, metalworking and plumbing. R&D and manufacturing takes place at the company's own production facilities in Brisbane, Australia. From there AIS has proudly exported to over 55 countries all around the world. ■

